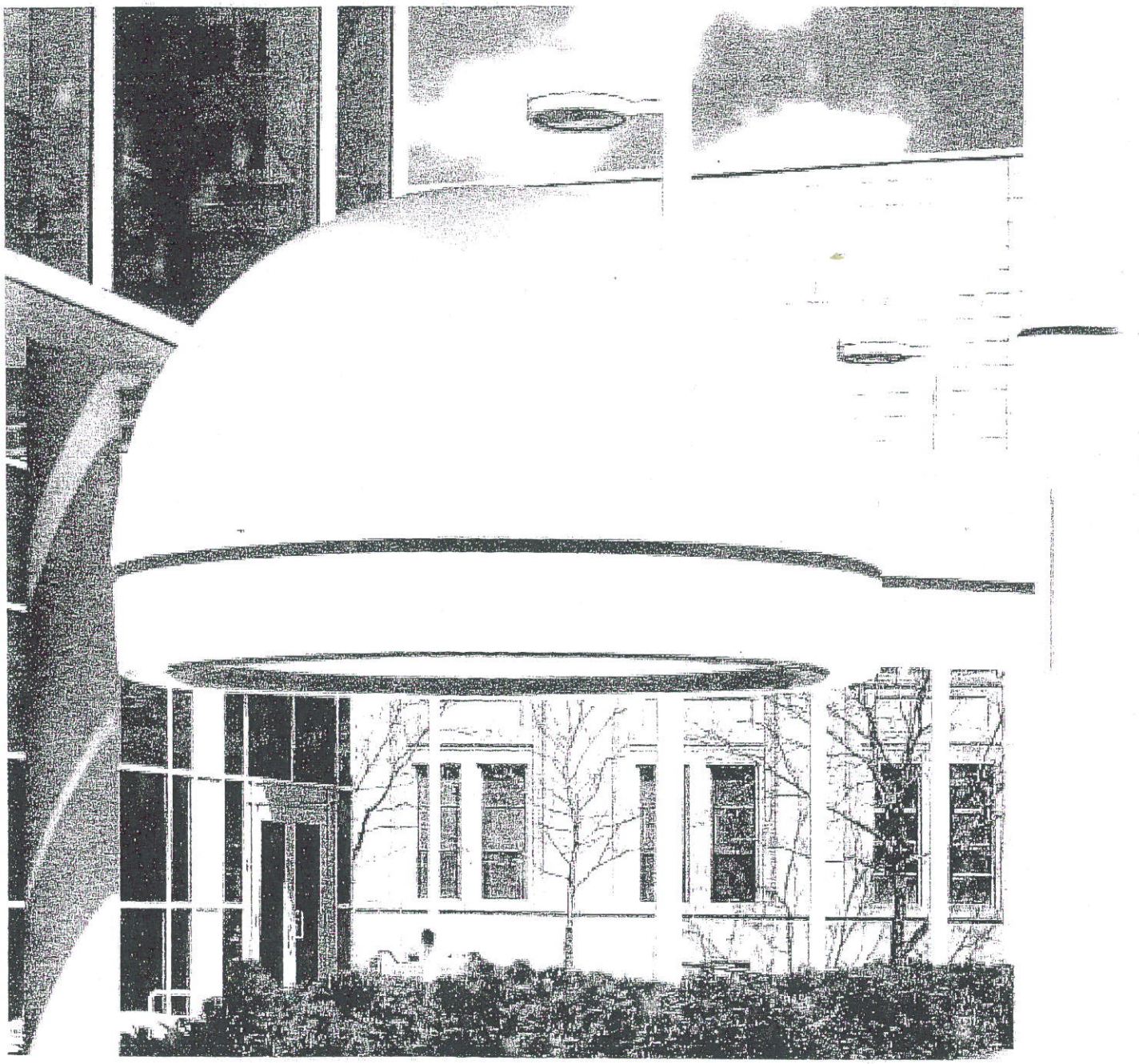
APPENDIX F

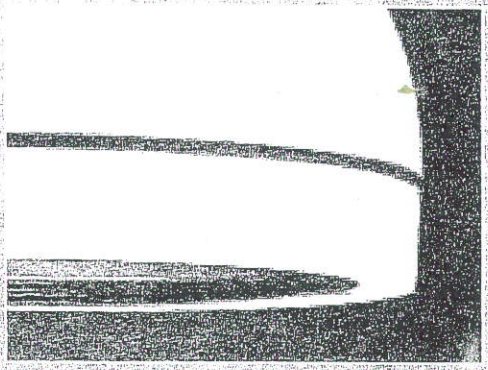


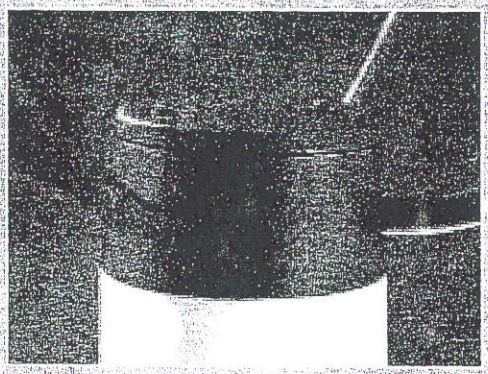
THE ARCHITECTURE OF FORM AND LIGHT

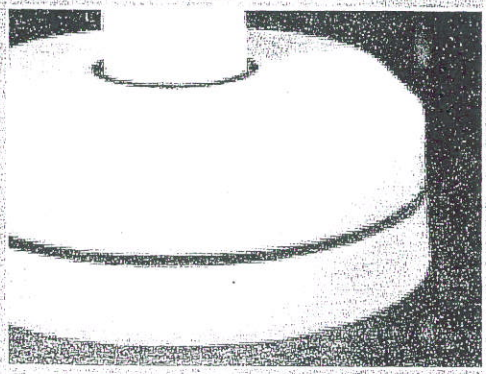
CREDENZA
AREA LUMINAIRE

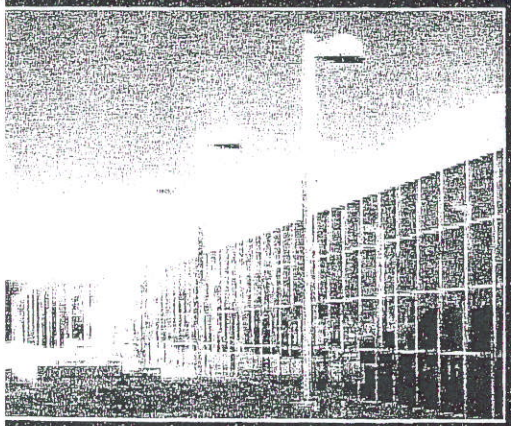
The low profile of the Credenza luminaire compliments and accentuates virtually any architectural style or landscape space. Consistency of design is carried through the seamless transition from fixture to arm and to pole to base. By offering three (3) different housing sizes and lamp options up to 1000W, the Credenza family of luminaires offers greater design flexibility allowing the right luminaire proportions and lamp wattage to fit the scale and task at hand. From contemporary architecture to a classic city park, McGraw-Edison's Credenza Series provides an impressive blend of contemporary design sophistication and functional versatility, for good looks by day and superior performance by night.

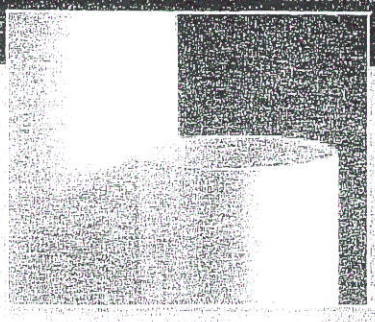
McGRAW-EDISON®





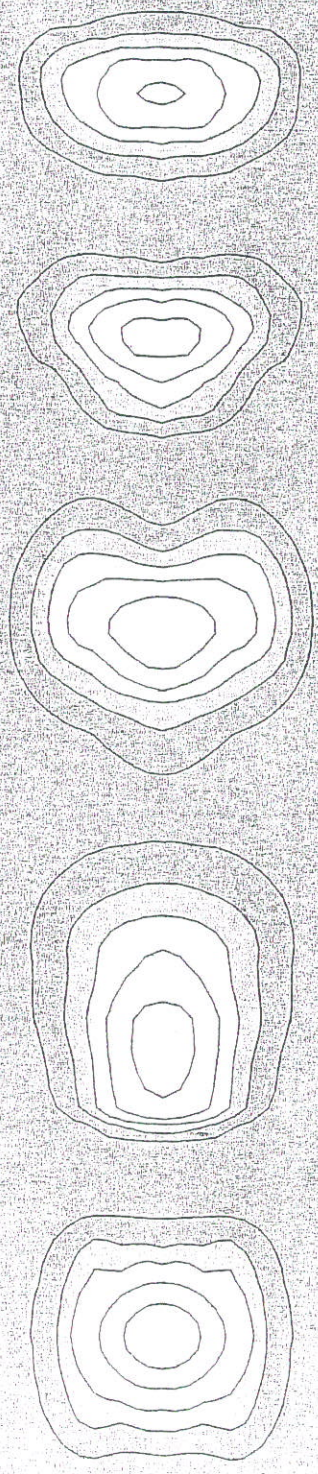






POLE DESIGN

THE SIX (6) OPTICAL CONFIGURATIONS OFFERED AS A PART OF CREDENZA: PROVIDE TREMENDOUS VERSATILITY IN APPLICATION:



OPTICAL SYSTEMS

TYPE I:
Excellent for long, narrow area lighting. TYPE I produces a thin, linear pattern of light, making it ideal for straight roadways or pathways.

TYPE II:
Ideal for walkways, bicycle paths and narrow roadways, the TYPE II optical system produces an asymmetrical pattern, allowing maximum pole spacing to light long linear spaces.

TYPE III:
Ideal for roadways. TYPE III has a wider field of light than TYPE II. It is also suitable for general parking and area lighting.

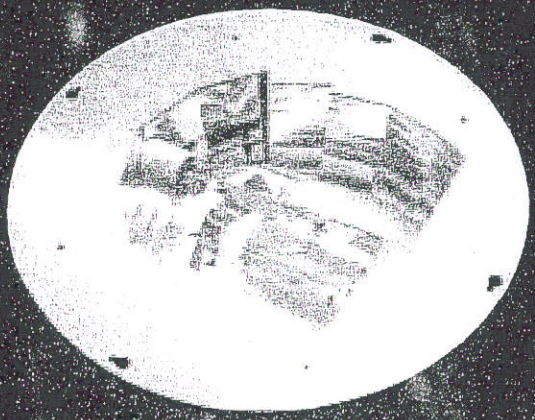
TYPE IV / FORWARD THROW:
An excellent perimeter light. Type IV / Forward Throw produces a asymmetrical sharp cutoff pattern of light for extended area widths. It is ideal for small parking lots and security lighting applications where poles must be mounted at the perimeter of an area or where spill light must be minimized.

TYPE V:
Producing a well defined, square symmetrical light pattern. TYPE V (Area Square) provides the ideal geometry for efficient lighting of large parking lots and other spacious areas. The square distribution minimizes light overlaps, typical of round light patterns.

PREMIUM PERFORMANCE

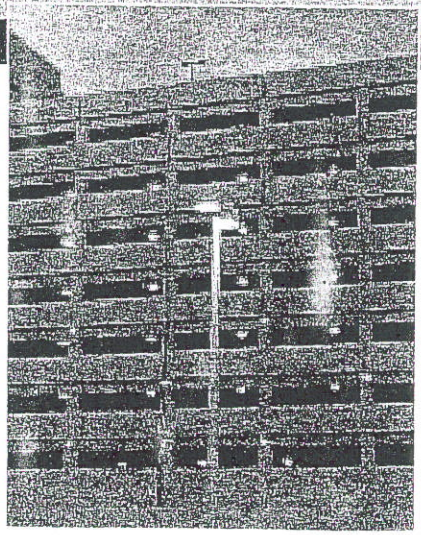
All Credenza luminaires are offered with highly tooled, high efficiency, hydroformed and specular anodized reflectors for strong and uniform performance.

Optional premium performance segmented optical modules are available for Credenza's small and medium housings for wattages up to 400W High Pressure Sodium or Metal Halide.



OPTICAL STANDARDS

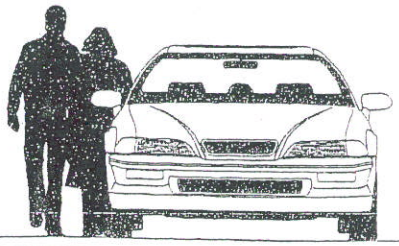
The Result: The highest and most consistent performance available!



Dark Sky Friendly

COMMUNITY-FRIENDLY SITE LIGHTING

In response the growing concerns about sky glow and spill light. All solid top Credenza Series products are IESNA, full cutoff classified and provide no light above 90°.

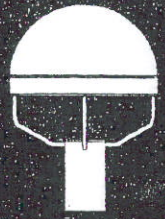


DESIGN FLEXIBILITY

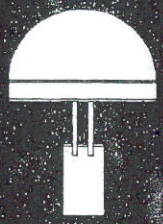
MOUNTING VERSATILITY

With three (3) different housing sizes, six (6) different optical distributions and a multitude of architectural colors available, the Credenza family offers unparalleled flexibility in one family of luminaires. Credenza area luminaires can be configured to shed their light on your world in three (3) different ways: Spider Mount, Yoke Mount and Arm Mount. Combining the area lighting with the Credenza Wall Mount and Sconce helps maintain a look of continuity throughout your project.

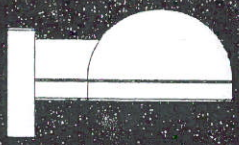
SPIDER MOUNT



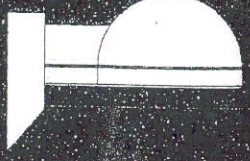
YOKE MOUNT



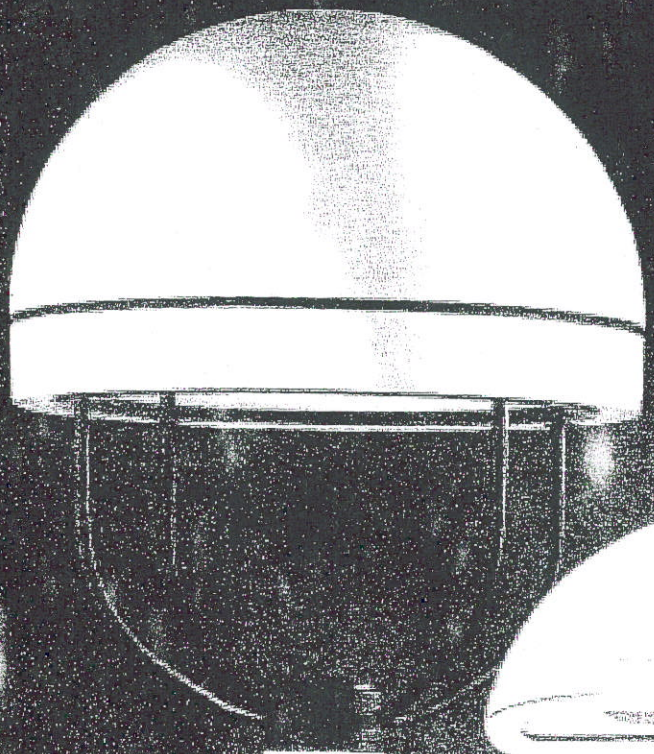
POLE MOUNT

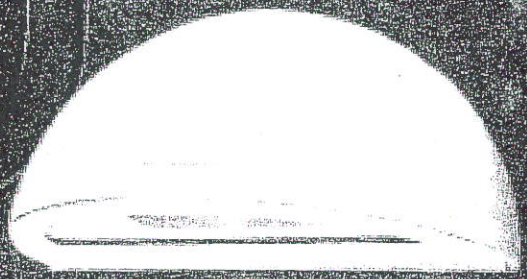


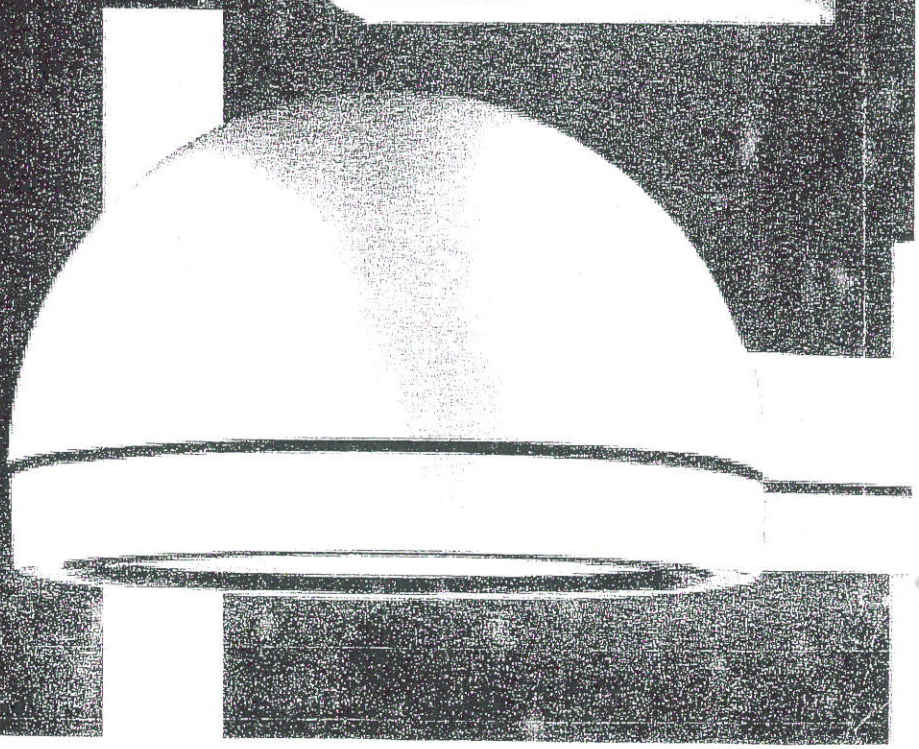
ARM MOUNT



WALL SCONCE



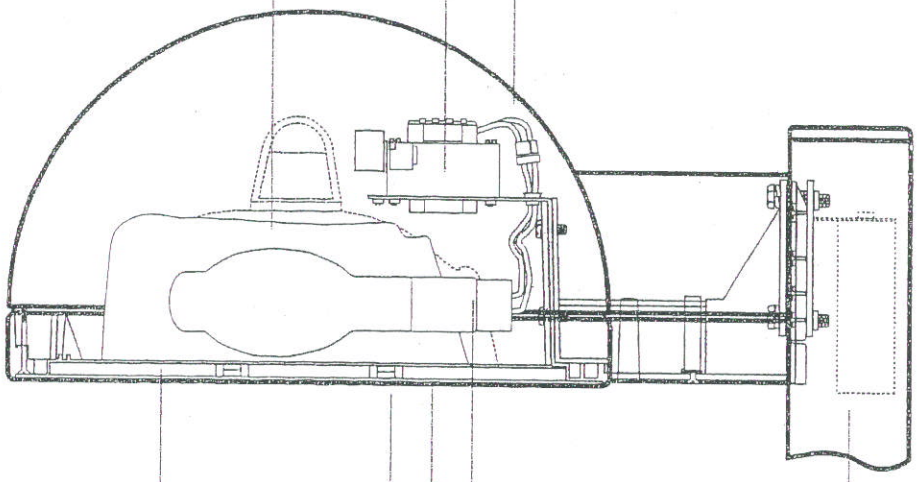




REFLECTOR:

BALLAST:

HOUSING:



STRUCTURAL FRAME:

POLES:

SOCKET:

DOOR:

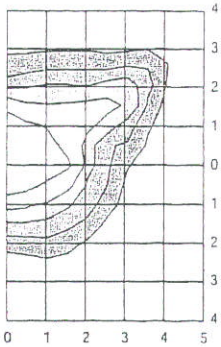
LENS:

MOUNTING:

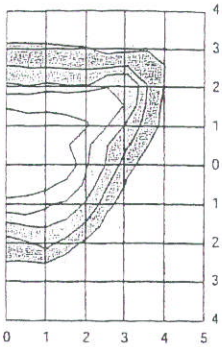
HYDROFORMED OPTICS

Footcandle Table

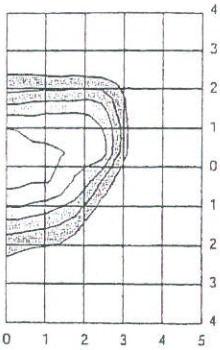
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDS					
10'					
12'					
14'					
ZDM					
20'					
25'					
30'					



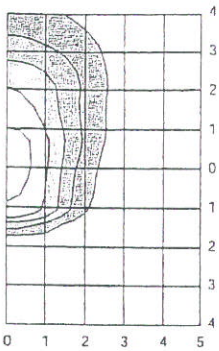
ZDS-AM-150-HPS-MT-3F
150-Watt HPS, Type III Area
16,000-Lumen Clear Lamp



ZDS-AM-250-MH-MT-3F
250-Watt MH, Type III Area
23,00-Lumen Clear Lamp



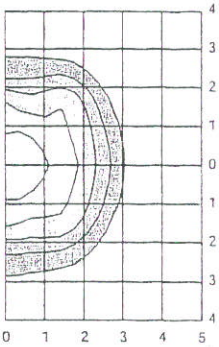
ZDM-AM-400-HPS-MT-3F
400-Watt HPS, Type III Area
50,000-Lumen Clear Lamp



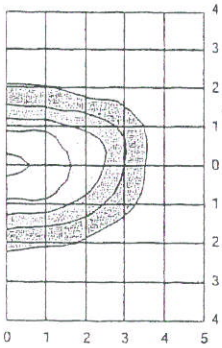
ZDM-AM-400-HPS-MT-FT
400-Watt HPS, Type IV Area
50,000-Lumen Clear Lamp

Footcandle Table

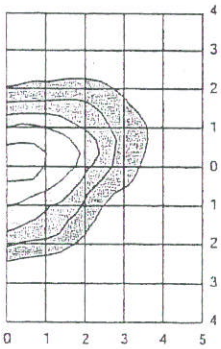
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDM					
20'					
25'					
30'					



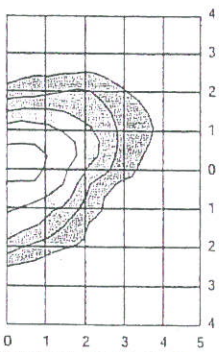
ZDM-AM-400-HPS-MT-5F
400-Watt HPS, Type V Area
50,000-Lumen Clear Lamp



ZDM-AM-400-MH-MT-1F
400-Watt MH, Type I Area
32,980-Lumen Clear Lamp



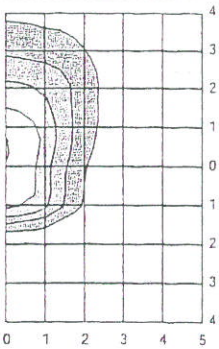
ZDM-AM-400-MH-MT-2F
400-Watt MH, Type II Area
32,980-Lumen Clear Lamp



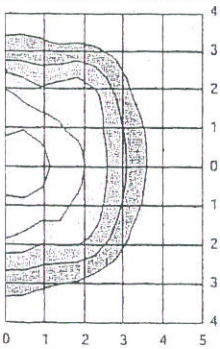
ZDM-AM-400-MH-MT-3F
400-Watt MH, Type III Area
32,980-Lumen Clear Lamp

Footcandle Table

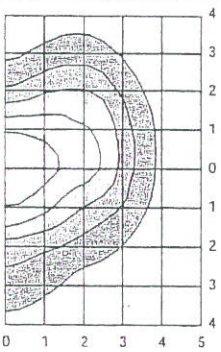
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDM					
20'					
25'					
30'					
ZDL					
30'					
35'					
40'					



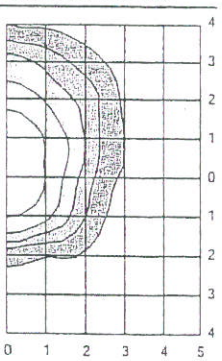
ZDM-AM-400-MH-MT-FT
400-Watt MH, Type IV Area
32,980-Lumen Clear Lamp



ZDM-AM-400-MH-MT-5F
400-Watt MH, Type V Area
32,980-Lumen Clear Lamp



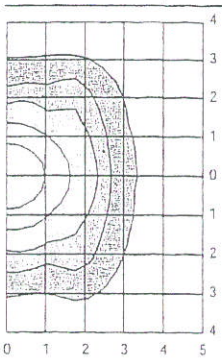
ZDL-AM-1000-HPS-MT-3F
1000-Watt HPS, Type III Area
140,000-Lumen Clear Lamp



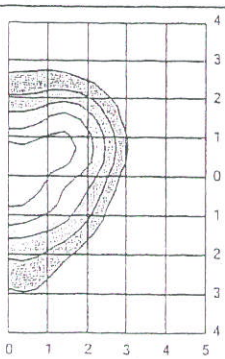
ZDL-AM-1000-HPS-MT-FT
1000-Watt HPS, Type IV Area
140,000-Lumen Clear Lamp

Footcandle Table

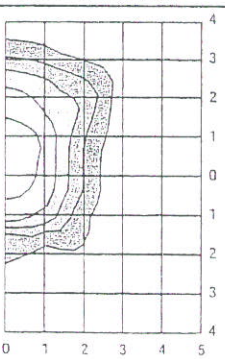
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDL					
30'					
35'					
40'					



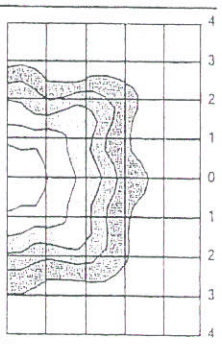
ZDL-AM-1000-HPS-MT-5F
1000-Watt HPS, Type V Area
140,000-Lumen Clear Lamp



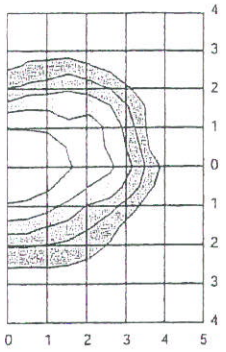
ZDL-AM-1000-MH-MT-3F
1000-Watt MH, Type III Area
110,000-Lumen Clear Lamp



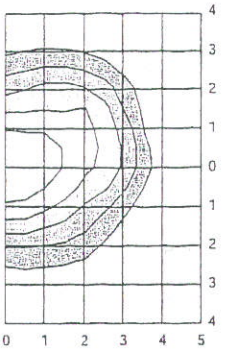
ZDL-AM-1000-MH-MT-FT
1000-Watt MH, Type IV Area
106,700-Lumen Clear Lamp



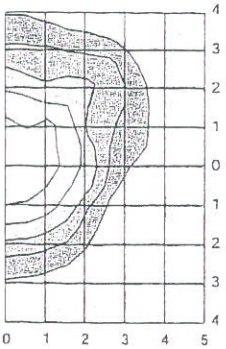
ZDL-AM-1000-MH-MT-5F
1000-Watt MH, Type V Area
106,700-Lumen Clear Lamp



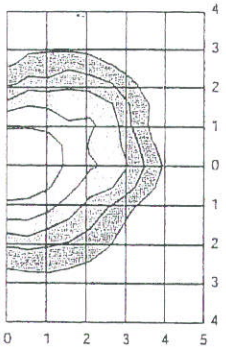
ZDS-AM-150-HPS-MT-2S
150-Watt HPS, Type II
16,000-Lumen Clear Lamp



ZDS-AM-150-HPS-MT-3S
150-Watt HPS, Type III
16,000-Lumen Clear Lamp



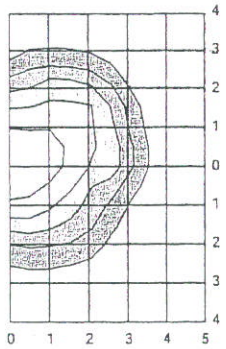
ZDS-AM-150-HPS-MT-4S
150-Watt HPS, Type IV
16,000-Lumen Clear Lamp



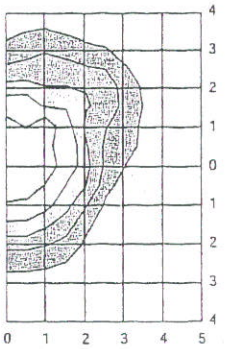
ZDS-AM-175-MH-MT-2S
175-Watt MH, Type II
14,000-Lumen Clear Lamp

Footcandle Table

Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDS					
15'					
20'					
25'					



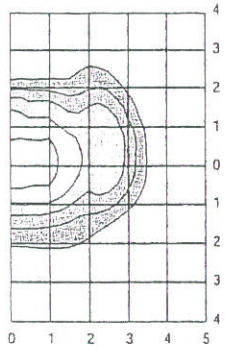
ZDS-AM-175-MH-MT-3S
175-Watt MH, Type III
14,000-Lumen Clear Lamp



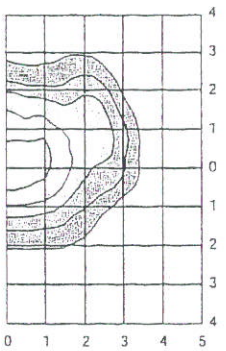
ZDS-AM-175-MH-MT-4S
175-Watt MH, Type IV
14,000-Lumen Clear Lamp

Footcandle Table

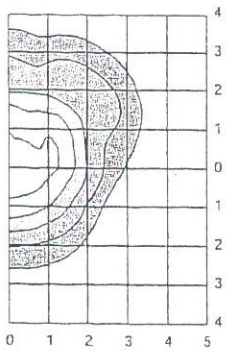
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDS					
15'					
20'					
25'					



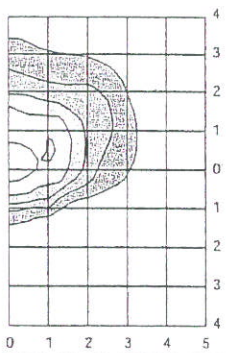
ZDM-AM-400-HPS-MT-2S
400-Watt MH, Type II
50,000-Lumen Clear Lamp



ZDM-AM-400-HPS-MT-3S
400-Watt MH, Type III
50,000-Lumen Clear Lamp



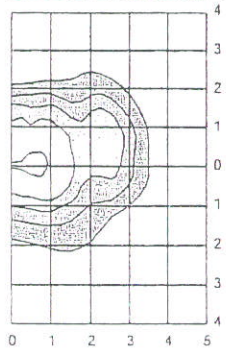
ZDM-AM-400-HPS-MT-4S
400-Watt HPS, Type IV
50,000-Lumen Clear Lamp



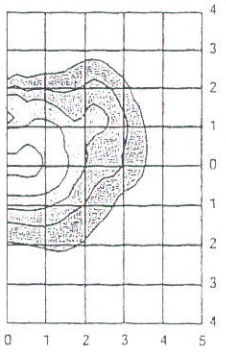
ZDM-AM-400-HPS-MT-4S-HS
400-Watt HPS, Type IV
50,000-Lumen Clear Lamp

Footcandle Table

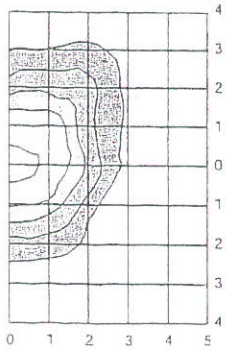
Mounting Height	Footcandle Values for Isofootcandle Lines				
ZDM					
20'					
25'					
30'					



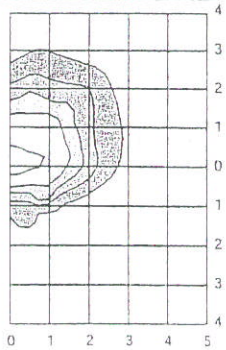
ZDM-AM-400-MH-MT-2S
400-Watt MH, Type II
36,000-Lumen Clear Lamp



ZDM-AM-400-MH-MT-3S
400-Watt MH, Type III
36,000-Lumen Clear Lamp



ZDM-AM-400-MH-MT-4S
400-Watt MH, Type IV
36,000-Lumen Clear Lamp



ZDM-AM-400-MH-MT-4S-HS
400-Watt MH, Type IV
36,000-Lumen Clear Lamp

Footcandle Table

Mountings Height	Footcandle Values for Isofootcandle Lines				
ZDM					
20'					
25'					
30'					

COOPER Lighting

CUSTOMER FIRST CENTER
1121 HIGHWAY 74 SOUTH
PEACHTREE CITY, GEORGIA 30269
770 486 4800
FAX 770 486 4801

Domestic Facilities, USA
Cranbury, New Jersey
Elk Grove Village, Illinois
Grand Prairie, Texas
Ontario, California
Peachtree City, Georgia

International Sales, USA
Peachtree City, Georgia

CANADA
Cooper Lighting
5925 McLaughlin Road
Mississauga, Ontario L5R 1B8
905 507 4000
FAX 905 568 7049

Domestic Facilities, Canada
Calgary, Alberta
Chomedey, Laval P.Q.

The Cooper Lighting Family
Halo
Portfolio
Metalux
Neo-Ray
Corelite
Lumark
McGraw-Edison
Streetworks
Sure-Lites
Fail-Safe
Shaper
Iris
Lumière
MWS

Photometric Report (Type C)

Filename: ZXD1145.ies

Maximum Candela = 3483.758300703125 at 35 H 60 V

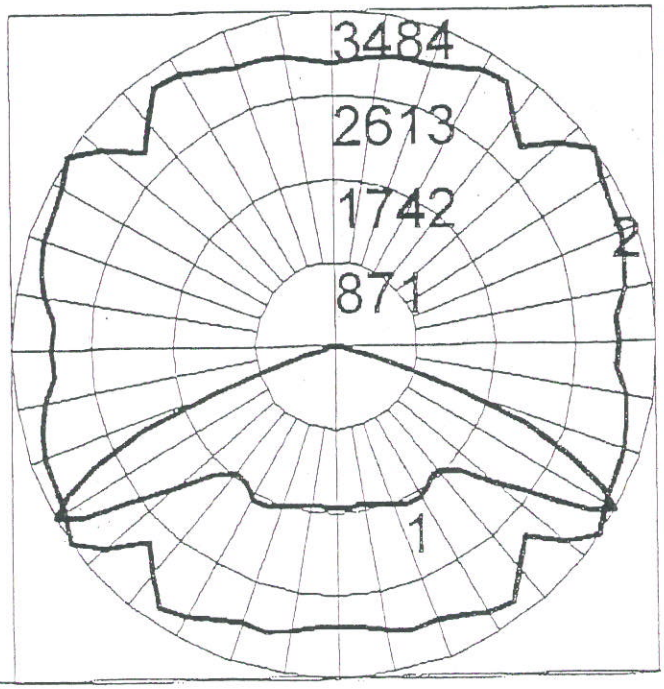
Classification:

Road Classification: Type III, Very Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 35 - 215 Horizontal

Horizontal Cone Through:
2) 60 Vertical



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Photometric Report (Type C)

Filename: ZXD1144.ies

Maximum Candela = 7291 at 20 H 70 V

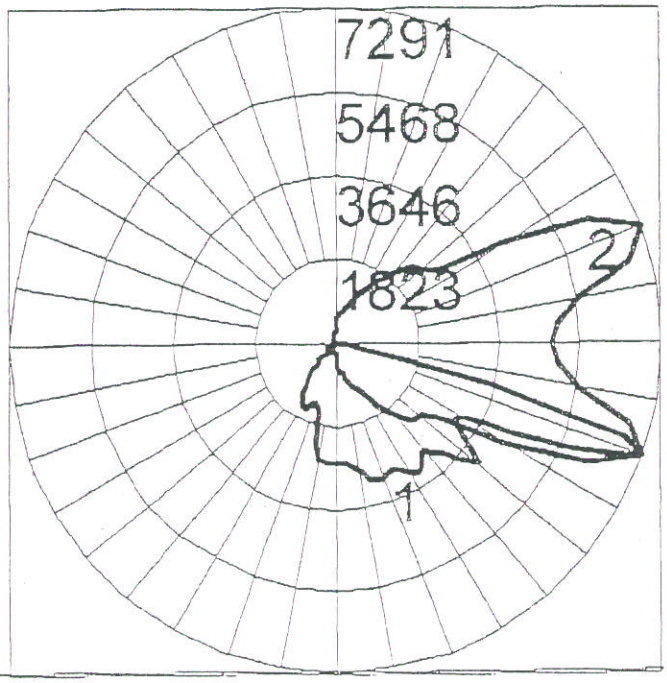
Classification:

Road Classification: Type IV, Very Short, Full Cutoff
Indoor Classification: Direct

Polar Candela Curves:

Vertical Plane Through:
1) 20 - 200 Horizontal

Horizontal Cone Through:
2) 70 Vertical



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