

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P14210

Luminaire Tested: **GAR-080-LED-E1-5-GLOW-X**

Issue Date: 6/29/2020

Test Information

Test Method: LM-79-08
Report Number: P14210
Test Lab: INNOVATION CENTER-P1
Issue Date: 6/29/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GAR-080-LED-E1-5-GLOW-X
Description: MCGRAW-EDISON POST TOP WITH A TYPE V PRISMATIC REFRACTOR
Light Source: [6] 4000K LED
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17334 lumens
Efficiency: N/A
Efficacy: 171.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 2.21')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U5 - G5

Input Watts (W): 101.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

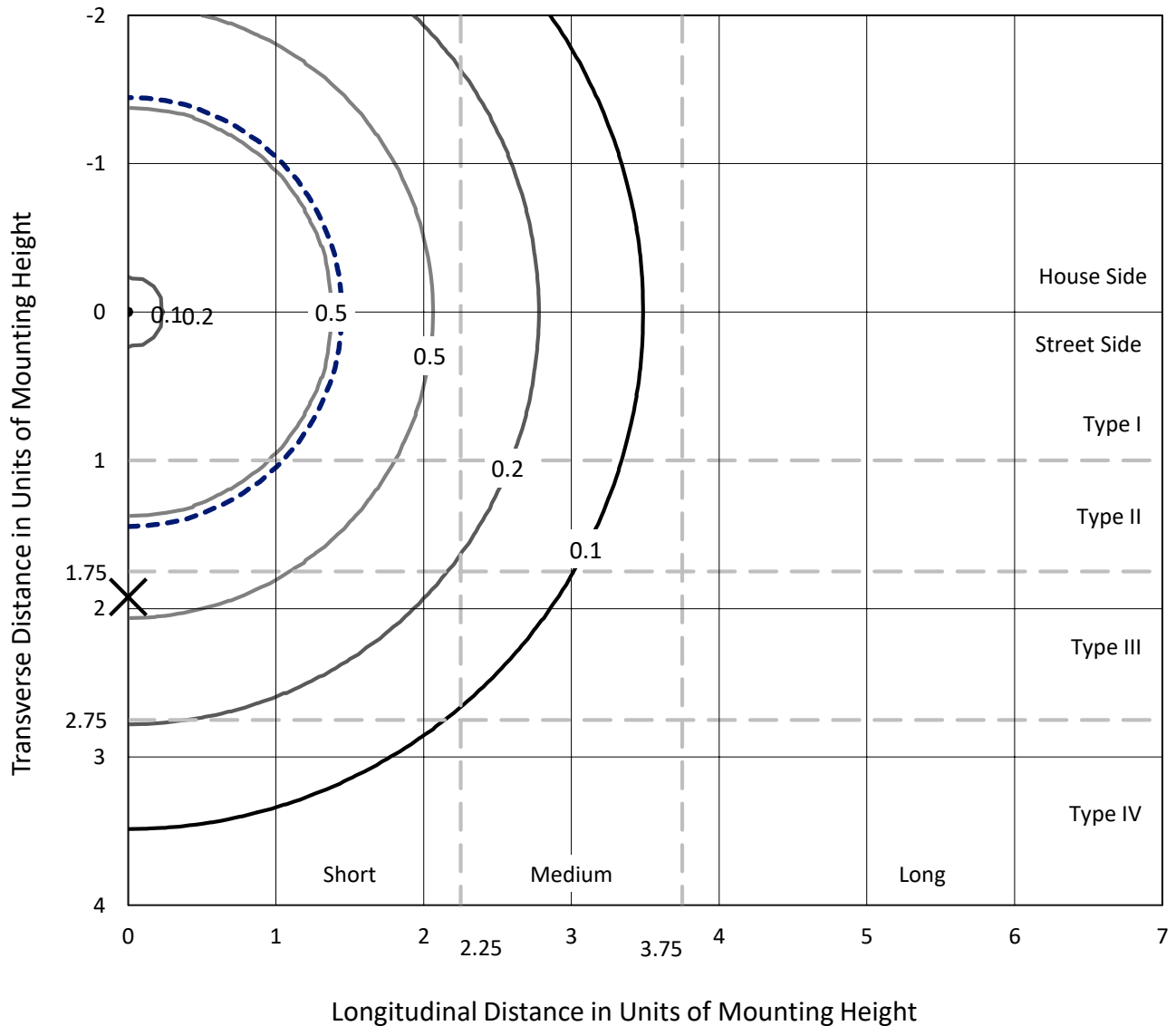


REPORT NUMBER: P14210

CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

Iso-Footcandle Lines of Horizontal Illumination

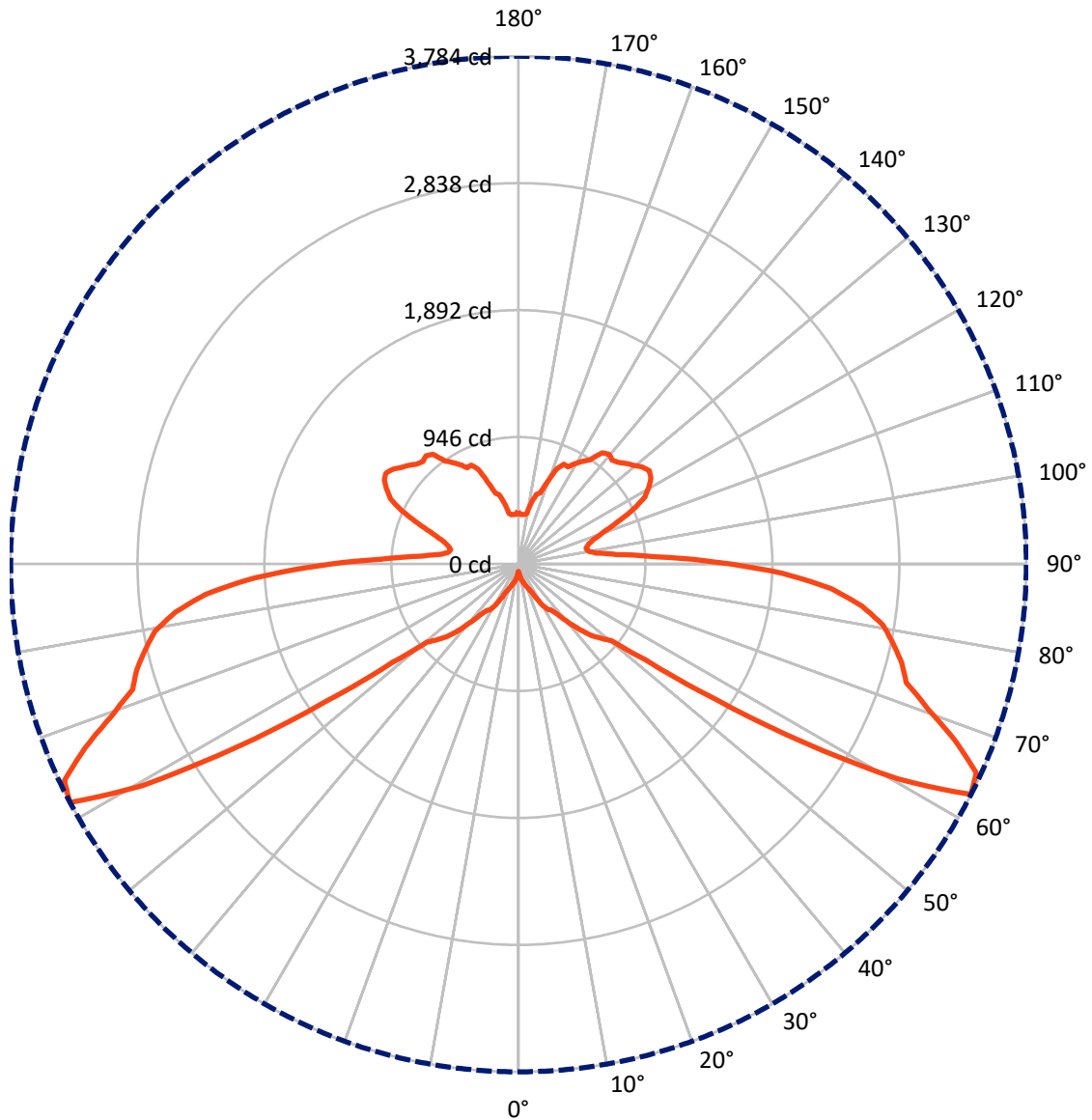
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P14210
CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P14210

CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

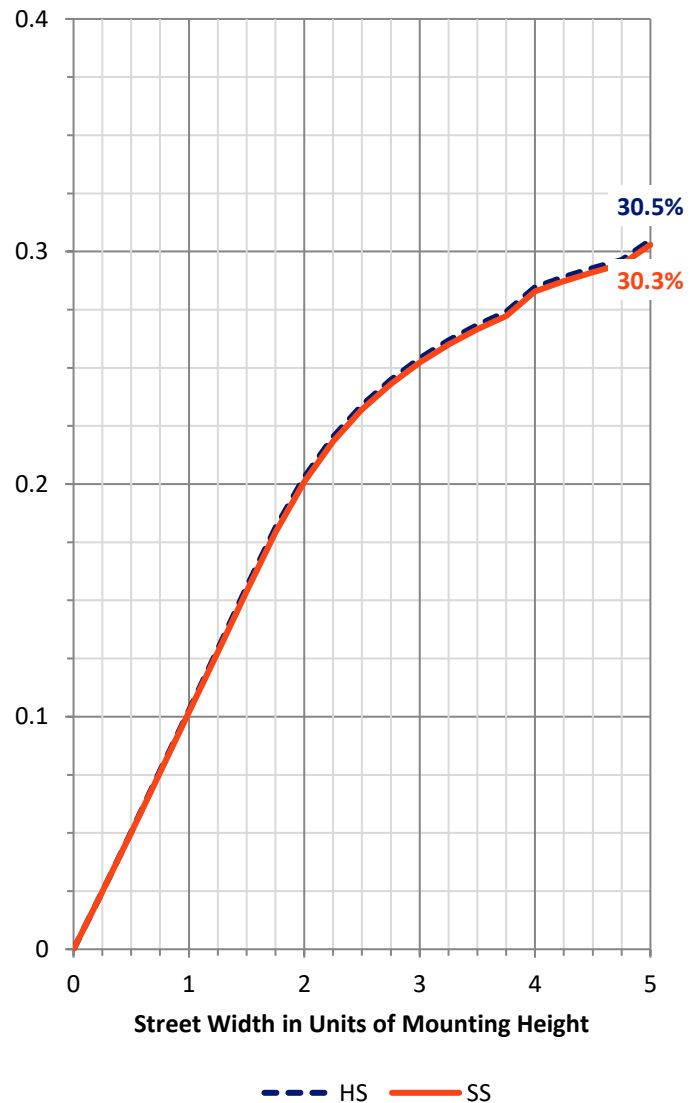
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5932.1	2735.0	8667.0
	% Fixture	34.2	15.8	50.0
Street Side	Lumens	5932.1	2735.0	8667.0
	% Fixture	34.2	15.8	50.0
Total	Lumens	11864.1	5469.9	17334.0
	% Fixture	68.4	31.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	42.8	0.2
20°-30°	118.6	0.7
30°-40°	279.5	1.6
40°-50°	579.9	3.3
50°-60°	1713.7	9.9
60°-70°	3542.8	20.4
70°-80°	3124.8	18.0
80°-90°	2453.2	14.2
90°-100°	916.0	5.3
100°-110°	593.0	3.4
110°-120°	920.4	5.3
120°-130°	1048.9	6.1
130°-140°	833.3	4.8
140°-150°	606.1	3.5
150°-160°	366.5	2.1
160°-170°	150.1	0.9
170°-180°	35.7	0.2
0°-90°	11864.1	68.4
0°-180°	17334.0	100.0



REPORT NUMBER: P14210

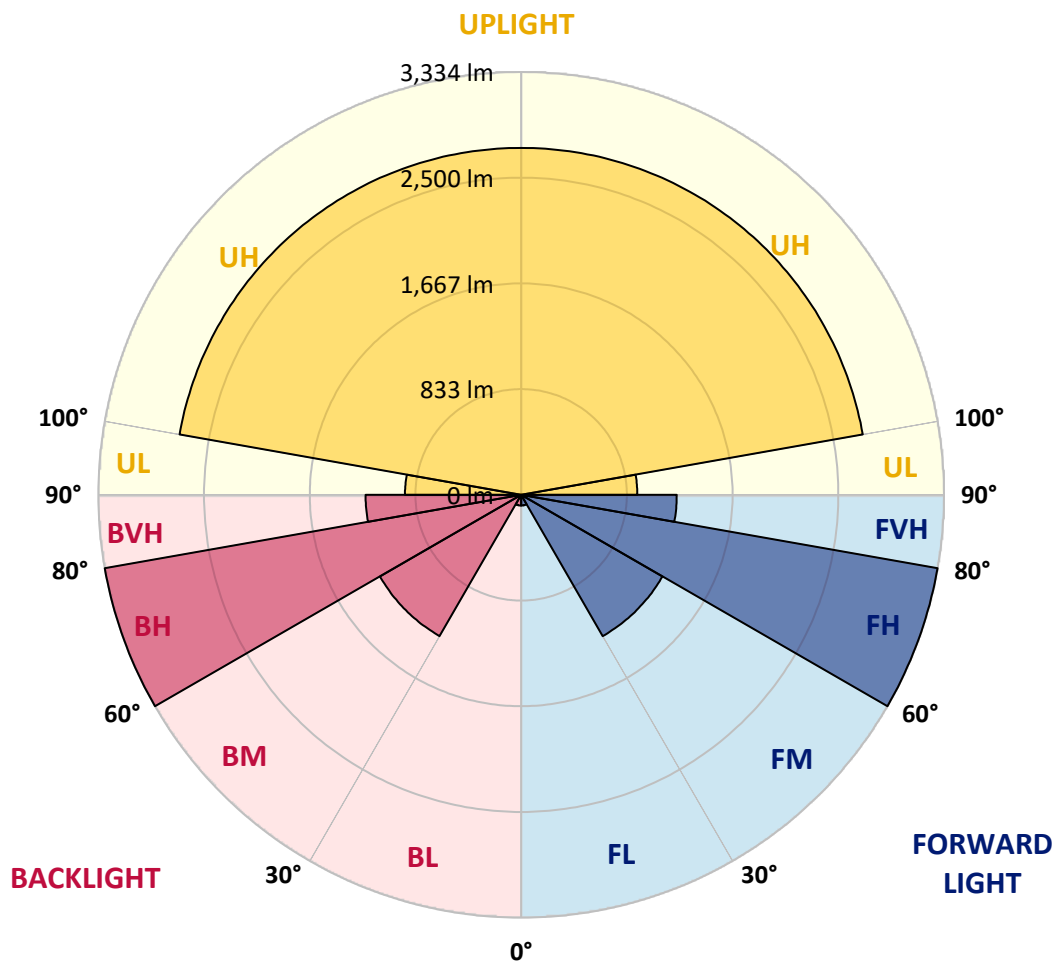
CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.1	0.5			
FM (30°-60°)	1286.6	7.4			
FH (60°-80°)	3333.8	19.2			G2/5000
FVH (80°-90°)	1226.6	7.1			G5
BL (0°-30°)	85.1	0.5	B0/110		
BM (30°-60°)	1286.6	7.4	B2/2500		
BH (60°-80°)	3333.8	19.2	B4/5000		G2/5000
BVH (80°-90°)	1226.6	7.1			G5
UL (90°-100°)	916.0	5.3		U4/1000	
UH (100°-180°)	2735.0	15.8		U5	

BUG Rating: B4-U5-G5

Type V Short





REPORT NUMBER: P14210

CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

CANDELA DISTRIBUTION (FULL):

	0°
0°	55.8
2.5°	67.2
5°	80.4
7.5°	98.4
10°	114.8
12.5°	132.8
15°	146.0
17.5°	162.4
20°	183.7
22.5°	205.0
25°	234.5
27.5°	293.6
30°	359.2
32.5°	403.4
35°	419.8
37.5°	478.9
40°	567.4
42.5°	662.6
45°	757.7
47.5°	824.9
50°	897.1
52.5°	1189.0
55°	1772.8
57.5°	2509.2
60°	3253.8
62.5°	3783.5
65°	3747.4
67.5°	3506.3
70°	3235.7
72.5°	3020.9
75°	2950.4
77.5°	2855.2
80°	2753.6
82.5°	2579.7
85°	2338.6
87.5°	1963.1
90°	1482.6
92.5°	1028.3
95°	736.4
97.5°	583.8
100°	528.1
102.5°	516.6
105°	539.6
107.5°	587.1
110°	674.0



REPORT NUMBER: P14210

CATALOG NUMBER: GAR-080-LED-E1-5-GLOW-X

CANDELA DISTRIBUTION (continued):

	0°
112.5°	802.0
115°	951.2
117.5°	1067.6
120°	1126.7
122.5°	1177.5
125°	1197.2
127.5°	1172.6
130°	1131.6
132.5°	1098.8
135°	1061.1
137.5°	1043.0
140°	1061.1
142.5°	1036.5
145°	943.0
147.5°	902.0
150°	859.4
152.5°	811.8
155°	816.7
157.5°	765.9
160°	647.8
162.5°	554.3
165°	534.6
167.5°	467.4
170°	382.1
172.5°	370.6
175°	370.6
177.5°	369.0
180°	393.6

(END OF REPORT)