

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: P14212

Luminaire Tested: **GAR-080-LED-E1-5-SPUN-X-5700**

Issue Date: 6/29/2020

Test Information

Test Method: LM-79-08
Report Number: P14212
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-SPUN-X-5700
Description: MCGRAW-EDISON POST TOP WITH A TYPE V SOLID TOP REFRACTOR
Light Source: [6]5700K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14868.2 lumens
Efficiency: N/A
Efficacy: 146.8 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 (Ain): 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

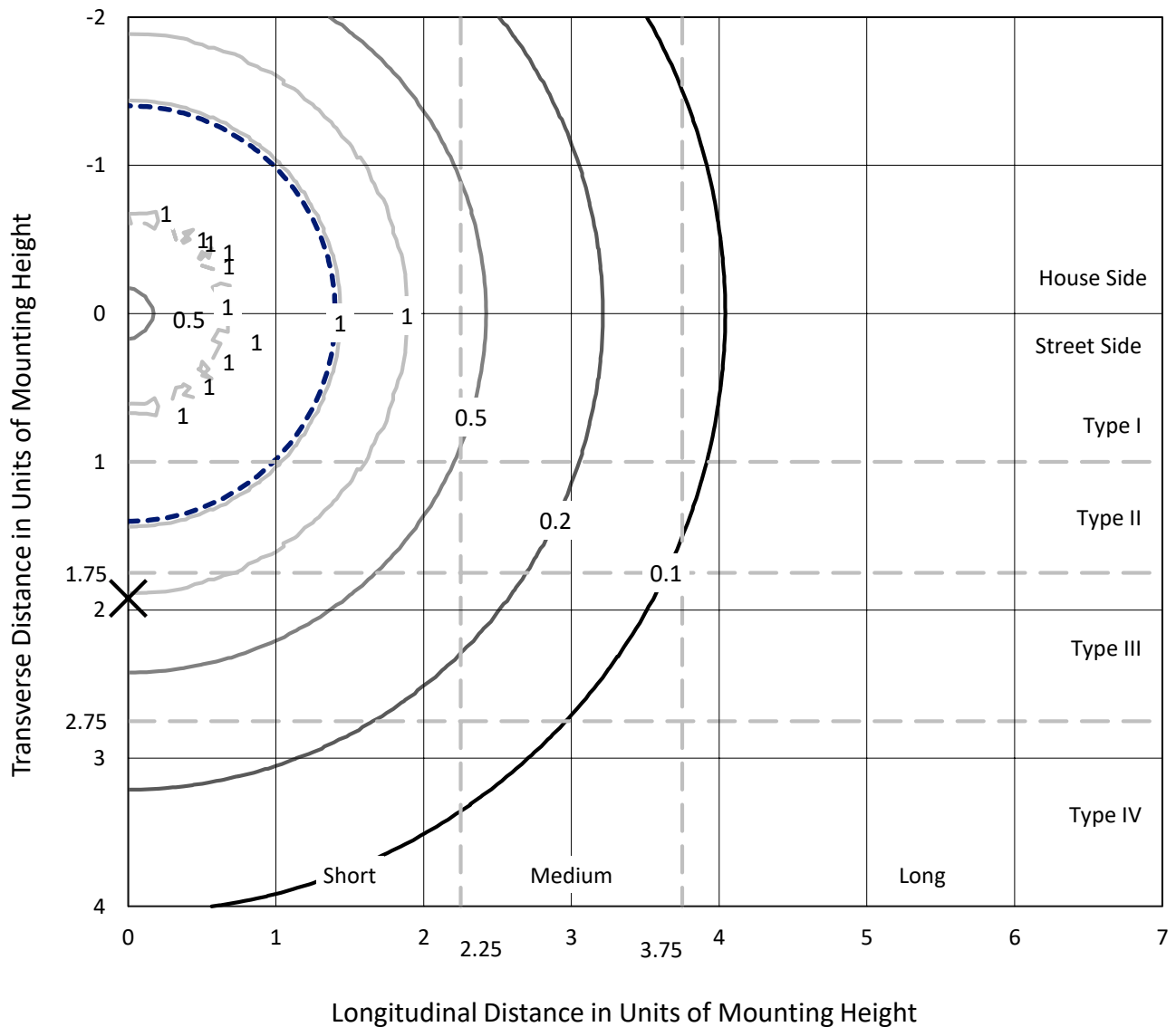


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Iso-Footcandle Lines of Horizontal Illumination

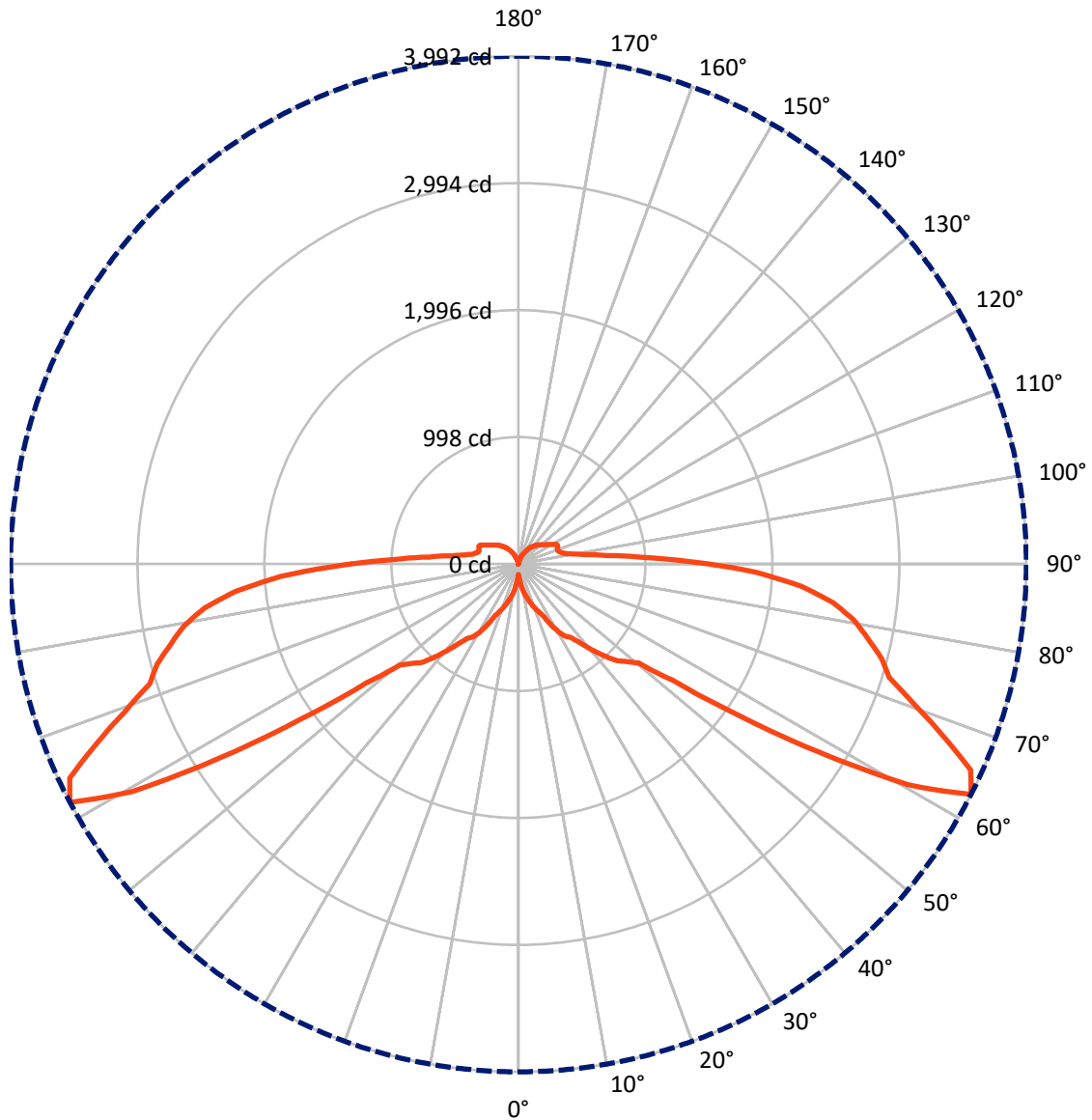
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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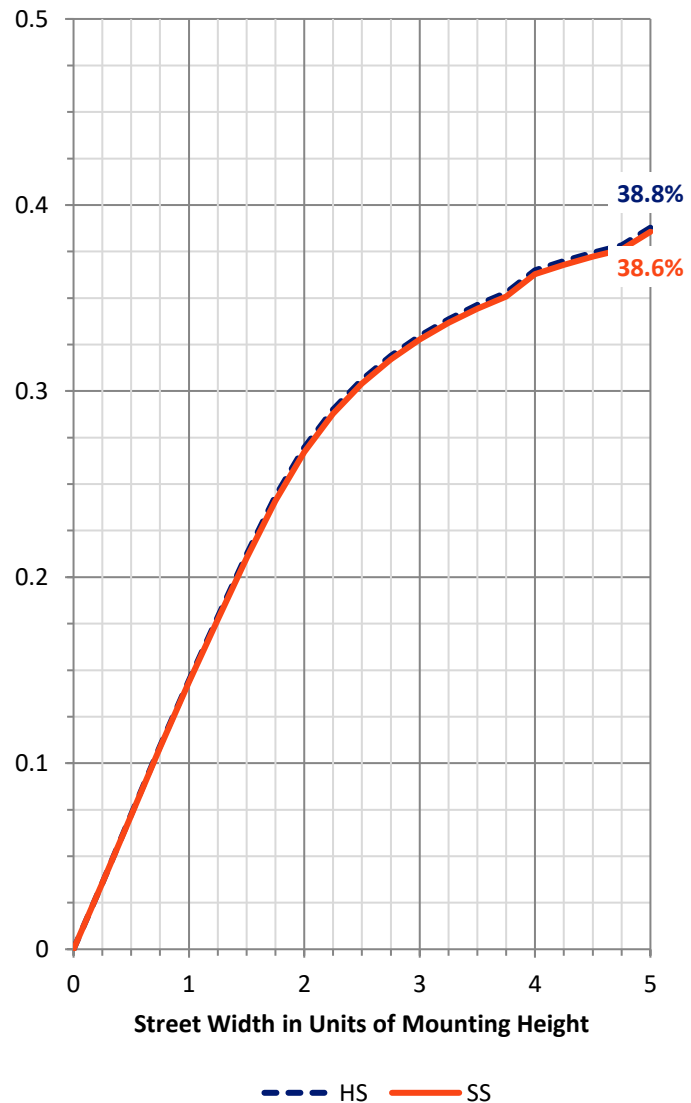
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6382.7	1051.4	7434.1
	% Fixture	42.9	7.1	50.0
Street Side	Lumens	6382.7	1051.4	7434.1
	% Fixture	42.9	7.1	50.0
Total	Lumens	12765.4	2102.8	14868.2
	% Fixture	85.9	14.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.1
10°-20°	85.3	0.6
20°-30°	221.4	1.5
30°-40°	461.3	3.1
40°-50°	829.5	5.6
50°-60°	1991.8	13.4
60°-70°	3695.9	24.9
70°-80°	3114.1	20.9
80°-90°	2350.4	15.8
90°-100°	855.5	5.8
100°-110°	376.2	2.5
110°-120°	327.5	2.2
120°-130°	237.3	1.6
130°-140°	161.0	1.1
140°-150°	94.6	0.6
150°-160°	40.4	0.3
160°-170°	9.8	0.1
170°-180°	0.5	0.0
0°-90°	12765.4	85.9
0°-180°	14868.2	100.0

Coefficient of Utilization



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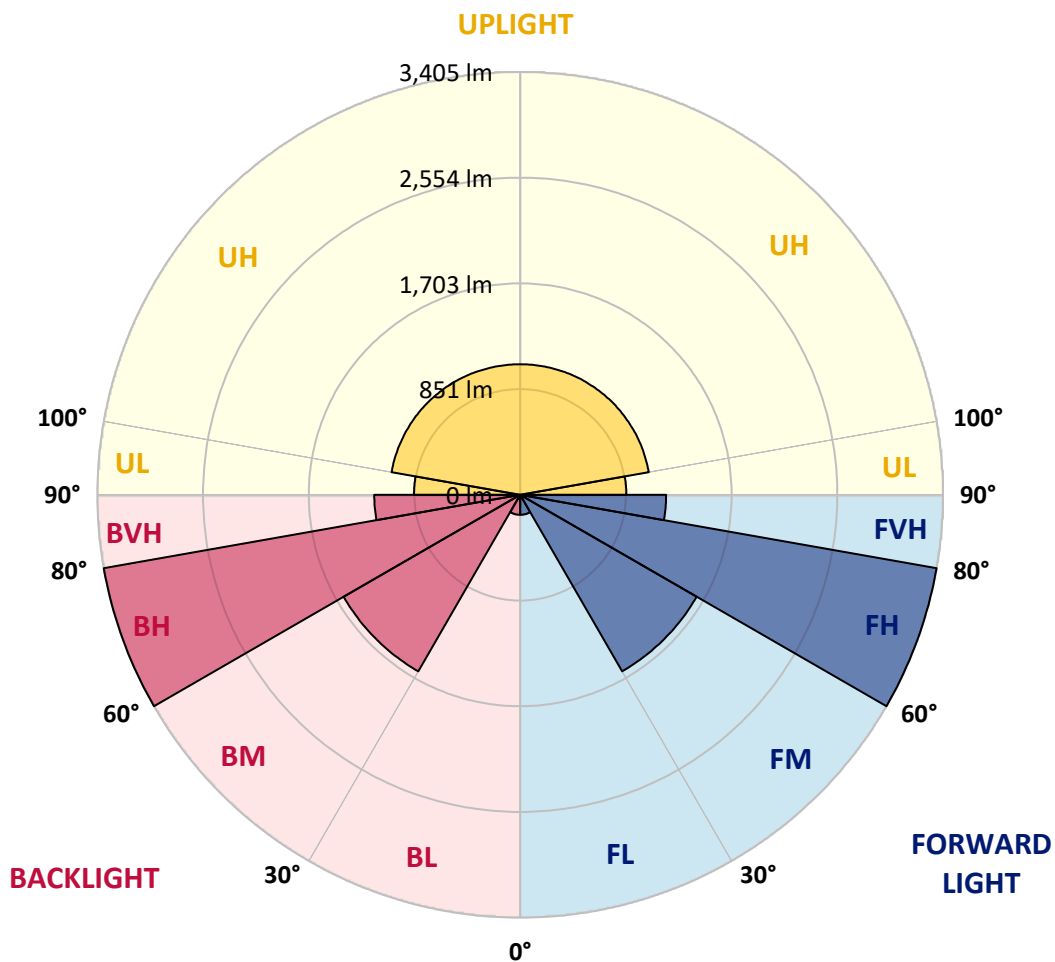
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.2	1.1			
FM (30°-60°)	1641.3	11.0			
FH (60°-80°)	3405.0	22.9			G2/5000
FVH (80°-90°)	1175.2	7.9			G5
BL (0°-30°)	161.2	1.1	B1/500		
BM (30°-60°)	1641.3	11.0	B2/2500		
BH (60°-80°)	3405.0	22.9	B4/5000		G2/5000
BVH (80°-90°)	1175.2	7.9			G5
UL (90°-100°)	855.5	5.8		U4/1000	
UH (100°-180°)	1051.4	7.1		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	82.6
2.5°	106.4
5°	138.2
7.5°	176.2
10°	219.2
12.5°	255.7
15°	293.7
17.5°	328.7
20°	370.0
22.5°	404.9
25°	451.0
27.5°	535.1
30°	616.1
32.5°	676.3
35°	708.2
37.5°	784.3
40°	882.9
42.5°	984.4
45°	1084.5
47.5°	1144.7
50°	1222.7
52.5°	1516.4
55°	2099.1
57.5°	2799.3
60°	3524.9
62.5°	3991.8
65°	3906.0
67.5°	3596.4
70°	3296.3
72.5°	3047.0
75°	2945.3
77.5°	2805.6
80°	2673.9
82.5°	2491.2
85°	2227.7
87.5°	1867.3
90°	1398.9
92.5°	986.1
95°	701.8
97.5°	530.3
100°	428.7
102.5°	370.0
105°	344.6
107.5°	328.7
110°	327.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	333.5
115°	341.3
117.5°	330.2
120°	301.7
122.5°	281.1
125°	260.5
127.5°	246.1
130°	233.4
132.5°	220.7
135°	209.6
137.5°	192.1
140°	179.4
142.5°	163.6
145°	152.5
147.5°	133.4
150°	116.0
152.5°	100.0
155°	82.6
157.5°	73.0
160°	58.7
162.5°	41.3
165°	31.7
167.5°	20.6
170°	11.1
172.5°	1.5
175°	4.8
177.5°	4.8
180°	3.2

(END OF REPORT)