

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: **GAT-080-LED-E1-5-SPUN-X-3000**

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: GAT-080-LED-E1-5-SPUN-X-3000
Description: MCGRAW-EDISON POST TOP WITH A TYPE V SOLID TOP REFRACTOR
Light Source: [6] 3000K LEDS
Ballast/Driver: [2] ELECTRONIC DRIVERS

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14170.5 lumens
Efficiency: N/A
Efficacy: 139.9 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

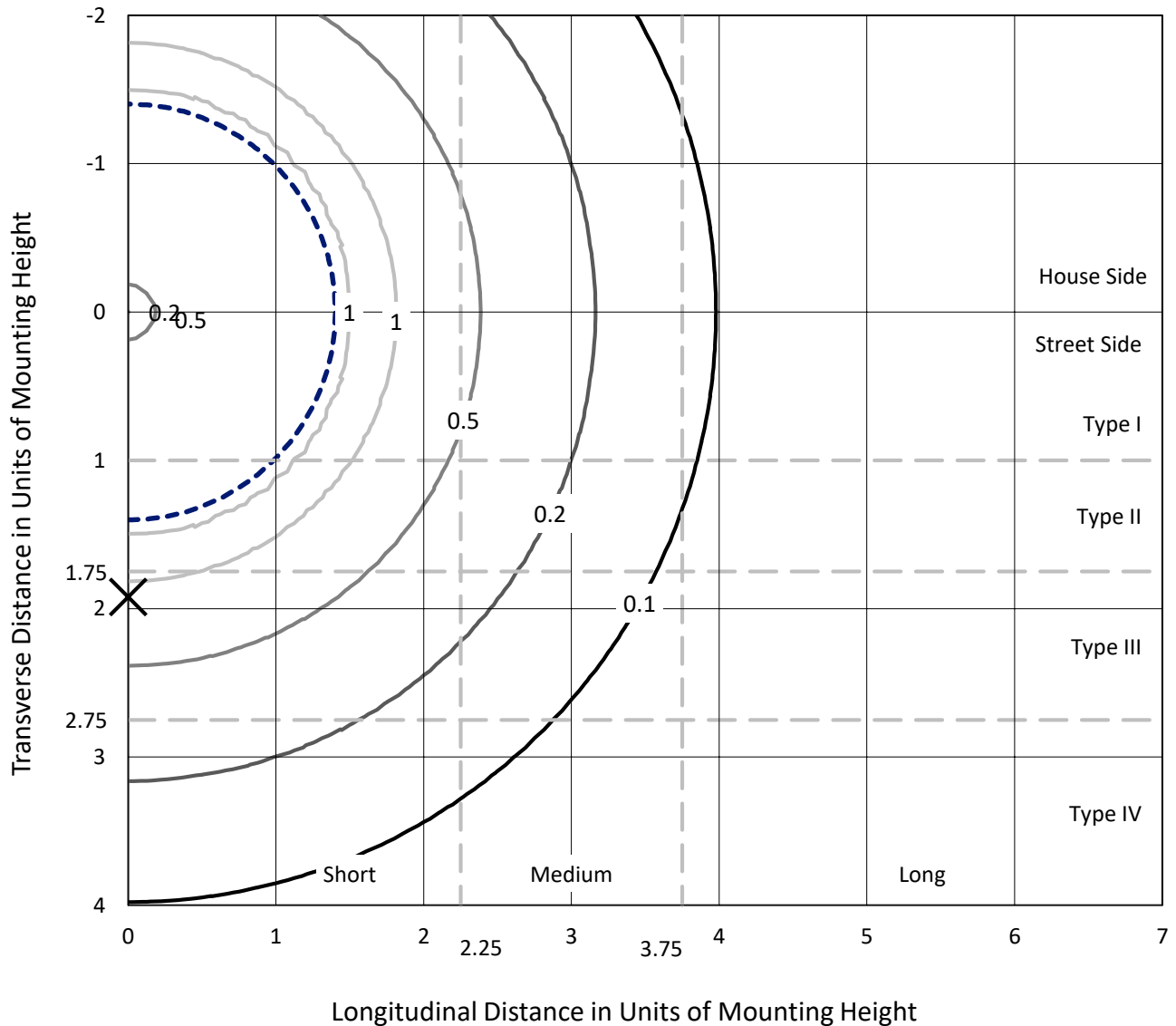


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Iso-Footcandle Lines of Horizontal Illumination

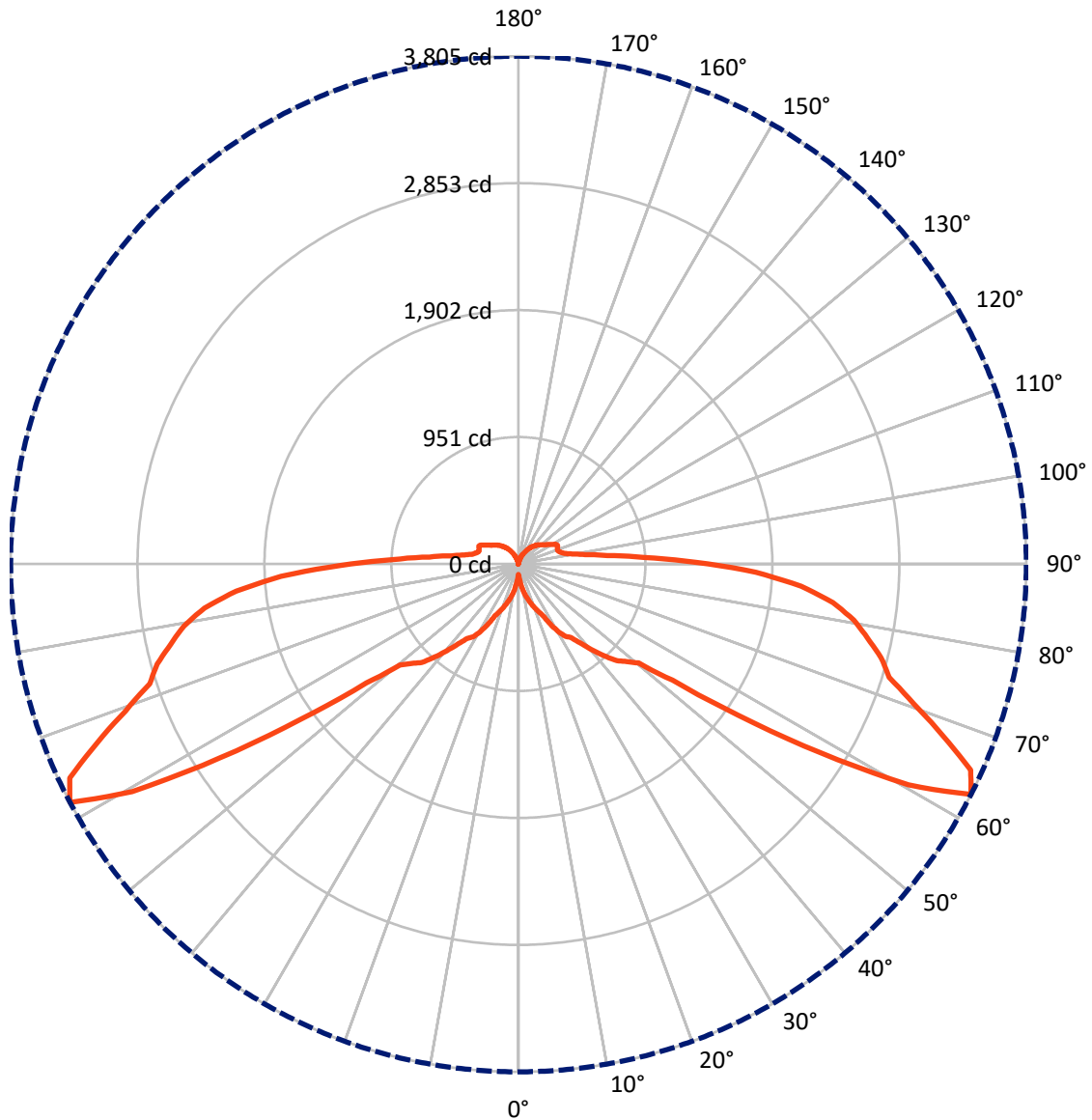
× Max cd
 - - - 1/2 Max cd



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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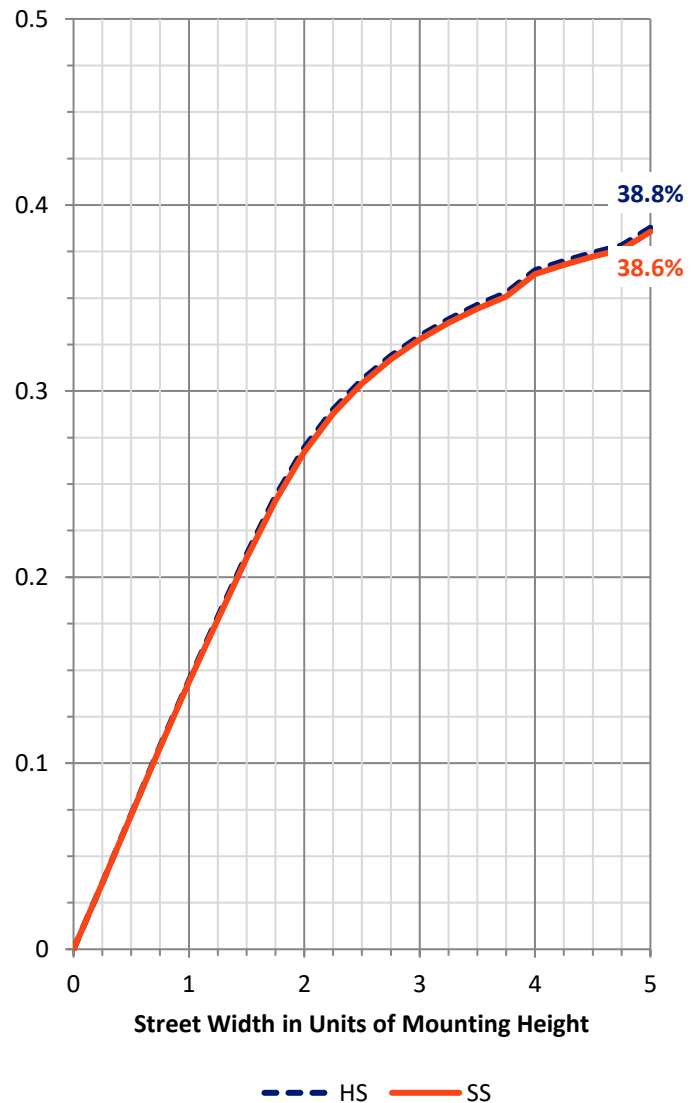
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6083.3	1002.0	7085.3
	% Fixture	42.9	7.1	50.0
Street Side	Lumens	6083.3	1002.0	7085.3
	% Fixture	42.9	7.1	50.0
Total	Lumens	12166.6	2004.0	14170.5
	% Fixture	85.9	14.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.1
10°-20°	81.3	0.6
20°-30°	211.0	1.5
30°-40°	439.7	3.1
40°-50°	790.7	5.6
50°-60°	1898.3	13.4
60°-70°	3522.5	24.9
70°-80°	2968.1	20.9
80°-90°	2240.0	15.8
90°-100°	815.3	5.8
100°-110°	358.5	2.5
110°-120°	312.2	2.2
120°-130°	226.1	1.6
130°-140°	153.5	1.1
140°-150°	90.1	0.6
150°-160°	38.5	0.3
160°-170°	9.3	0.1
170°-180°	0.4	0.0
0°-90°	12166.6	85.9
0°-180°	14170.5	100.0



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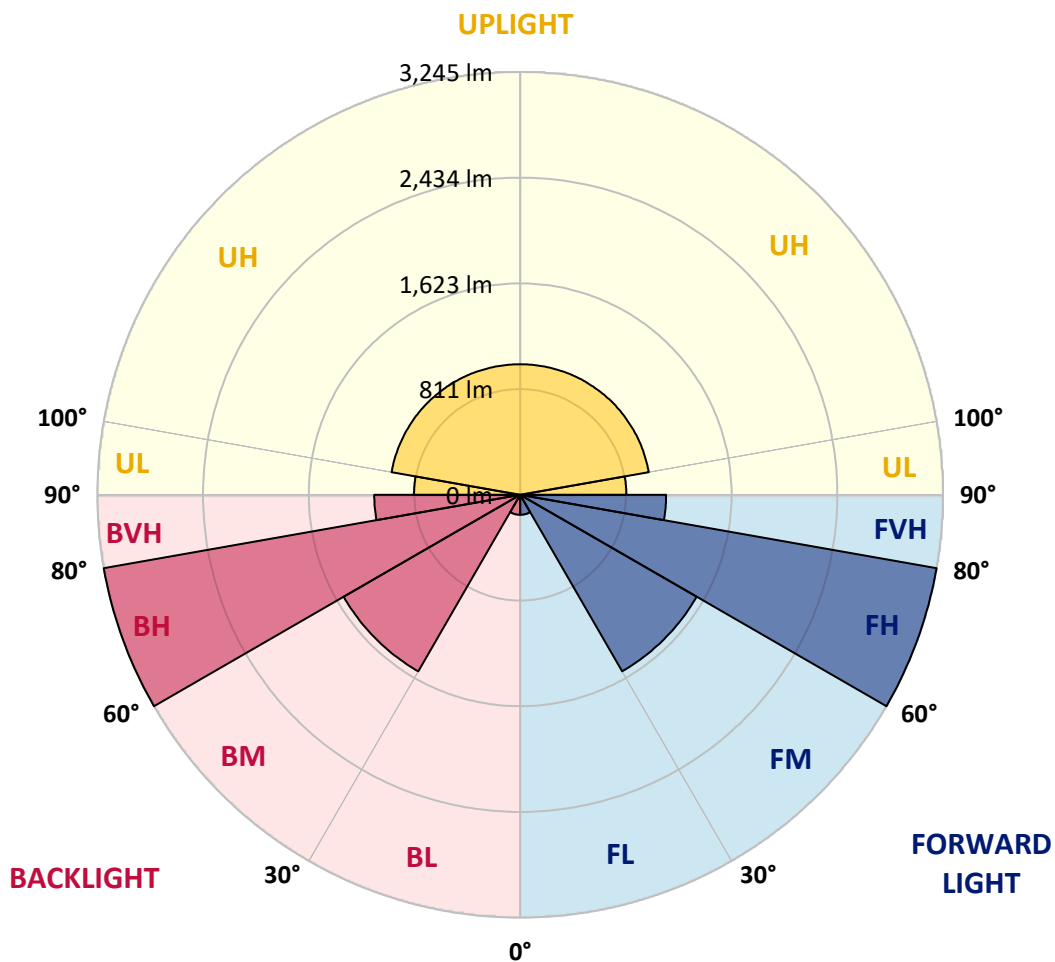
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.6	1.1			
FM (30°-60°)	1564.3	11.0			
FH (60°-80°)	3245.3	22.9			G2/5000
FVH (80°-90°)	1120.0	7.9			G5
BL (0°-30°)	153.6	1.1	B1/500		
BM (30°-60°)	1564.3	11.0	B2/2500		
BH (60°-80°)	3245.3	22.9	B4/5000		G2/5000
BVH (80°-90°)	1120.0	7.9			G5
UL (90°-100°)	815.3	5.8		U4/1000	
UH (100°-180°)	1002.0	7.1		U5	

BUG Rating: B4-U5-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	78.6
2.5°	101.4
5°	131.7
7.5°	168.0
10°	208.9
12.5°	243.7
15°	280.0
17.5°	313.2
20°	352.6
22.5°	385.9
25°	429.8
27.5°	510.0
30°	587.2
32.5°	644.7
35°	675.0
37.5°	747.6
40°	841.5
42.5°	938.2
45°	1033.7
47.5°	1091.1
50°	1165.3
52.5°	1445.2
55°	2000.5
57.5°	2667.9
60°	3359.6
62.5°	3804.5
65°	3722.8
67.5°	3427.6
70°	3141.7
72.5°	2904.1
75°	2807.2
77.5°	2674.0
80°	2548.4
82.5°	2374.3
85°	2123.2
87.5°	1779.6
90°	1333.2
92.5°	939.7
95°	668.9
97.5°	505.4
100°	408.6
102.5°	352.6
105°	328.4
107.5°	313.2
110°	311.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	317.8
115°	325.4
117.5°	314.8
120°	287.5
122.5°	267.9
125°	248.2
127.5°	234.6
130°	222.5
132.5°	210.3
135°	199.7
137.5°	183.1
140°	171.0
142.5°	155.8
145°	145.2
147.5°	127.1
150°	110.4
152.5°	95.3
155°	78.6
157.5°	69.6
160°	56.0
162.5°	39.3
165°	30.3
167.5°	19.7
170°	10.6
172.5°	1.6
175°	4.5
177.5°	4.5
180°	3.0

(END OF REPORT)