

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**

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  
Description: McGRAW-EDISON POST TOP WITH A TYPE V SOLID TOP REFRACTOR  
Light Source: [6] 4000K LEDS  
Ballast/Driver: [2] ELECTRONIC DRIVERS

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15356.9 lumens  
Efficiency: N/A  
Efficacy: 151.6 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

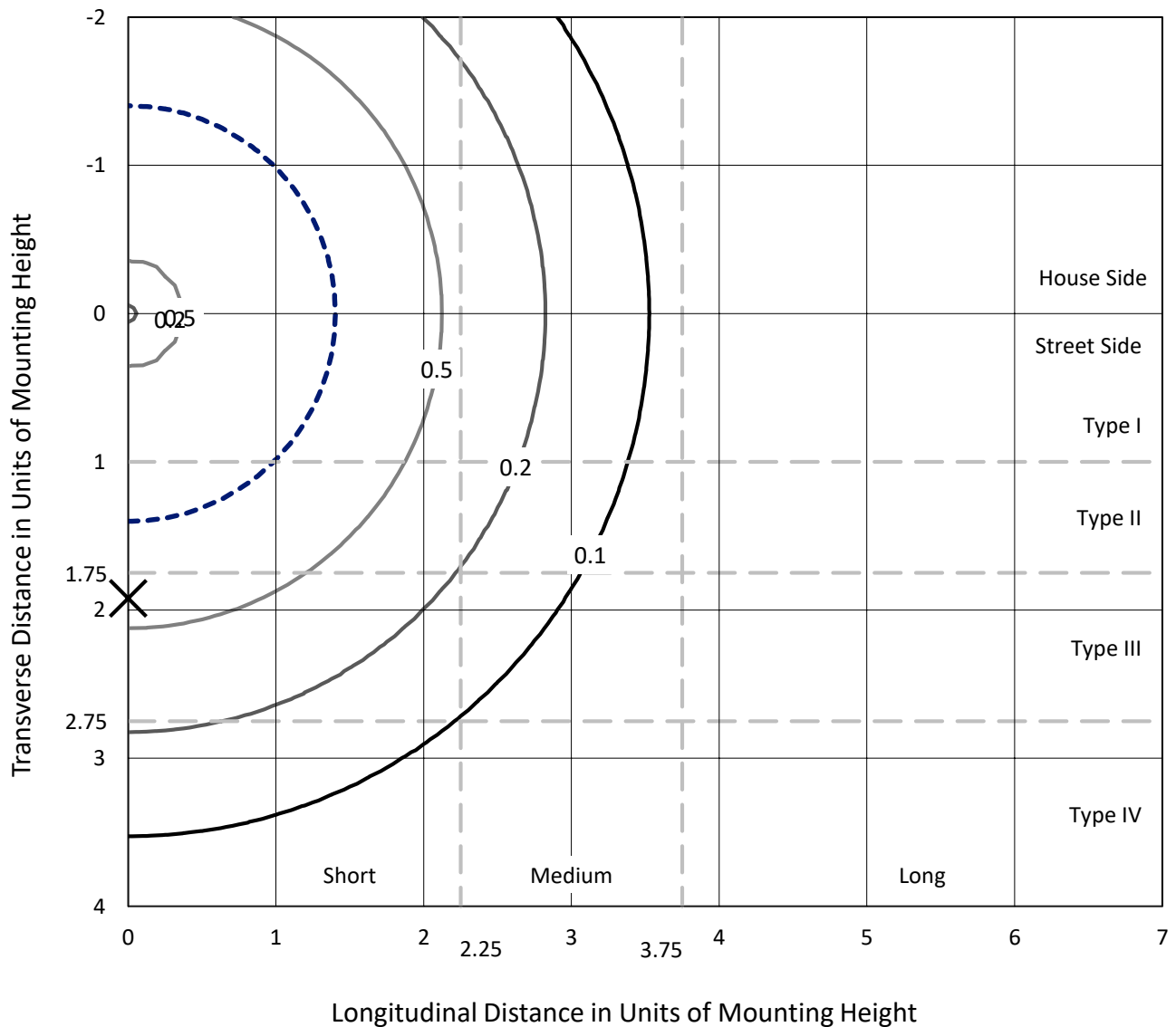
Input Watts (W): 101.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P14212  
 CATALOG NUMBER: GAR-080-LED-E1-5-SPUN-X

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

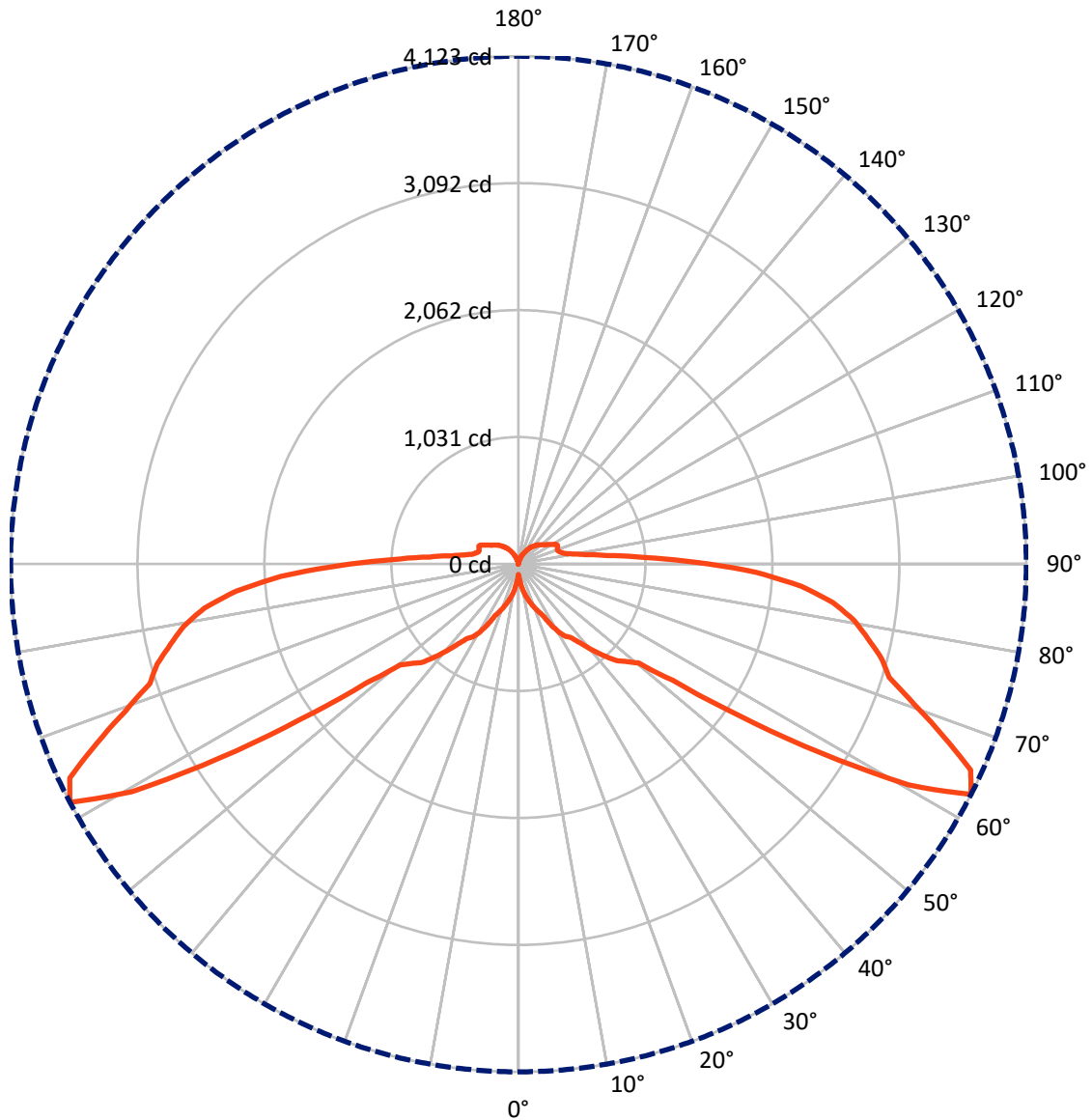


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P14212

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

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P14212

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

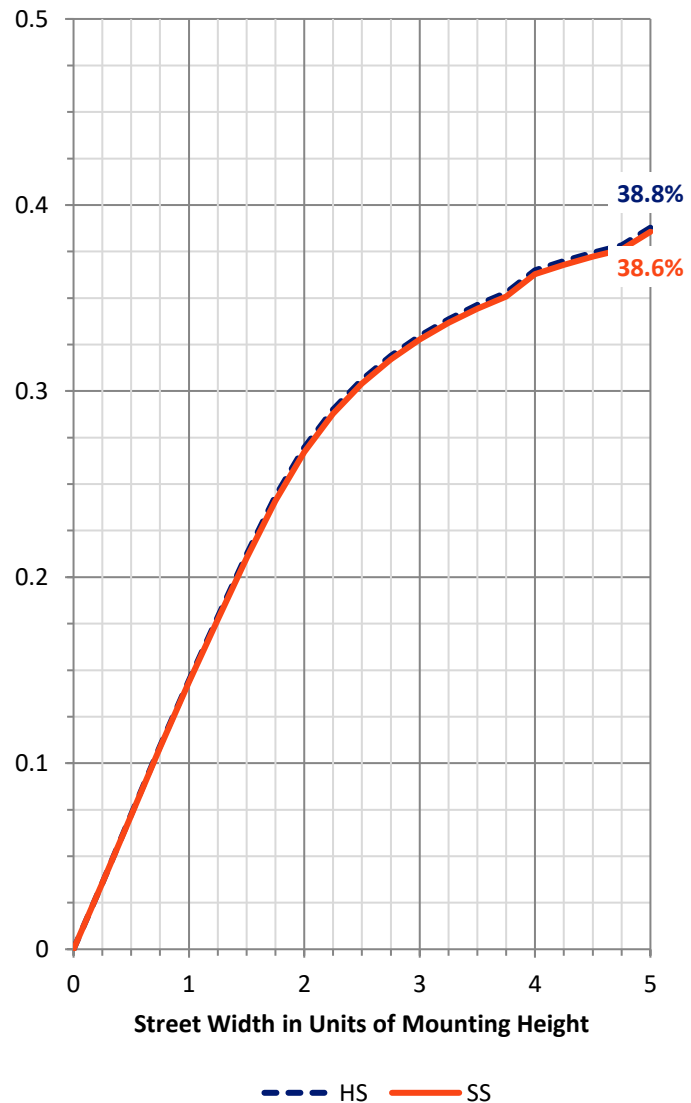
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6592.5	1085.9	7678.4
	% Fixture	42.9	7.1	50.0
<b>Street Side</b>	Lumens	6592.5	1085.9	7678.4
	% Fixture	42.9	7.1	50.0
<b>Total</b>	Lumens	13185.0	2171.8	15356.9
	% Fixture	85.9	14.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.2	0.1
10°-20°	88.0	0.6
20°-30°	228.7	1.5
30°-40°	476.5	3.1
40°-50°	856.8	5.6
50°-60°	2057.2	13.4
60°-70°	3817.4	24.9
70°-80°	3216.6	20.9
80°-90°	2427.6	15.8
90°-100°	883.6	5.8
100°-110°	388.6	2.5
110°-120°	338.3	2.2
120°-130°	245.1	1.6
130°-140°	166.4	1.1
140°-150°	97.6	0.6
150°-160°	41.8	0.3
160°-170°	10.1	0.1
170°-180°	0.5	0.0
0°-90°	13185.0	85.9
0°-180°	15356.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P14212

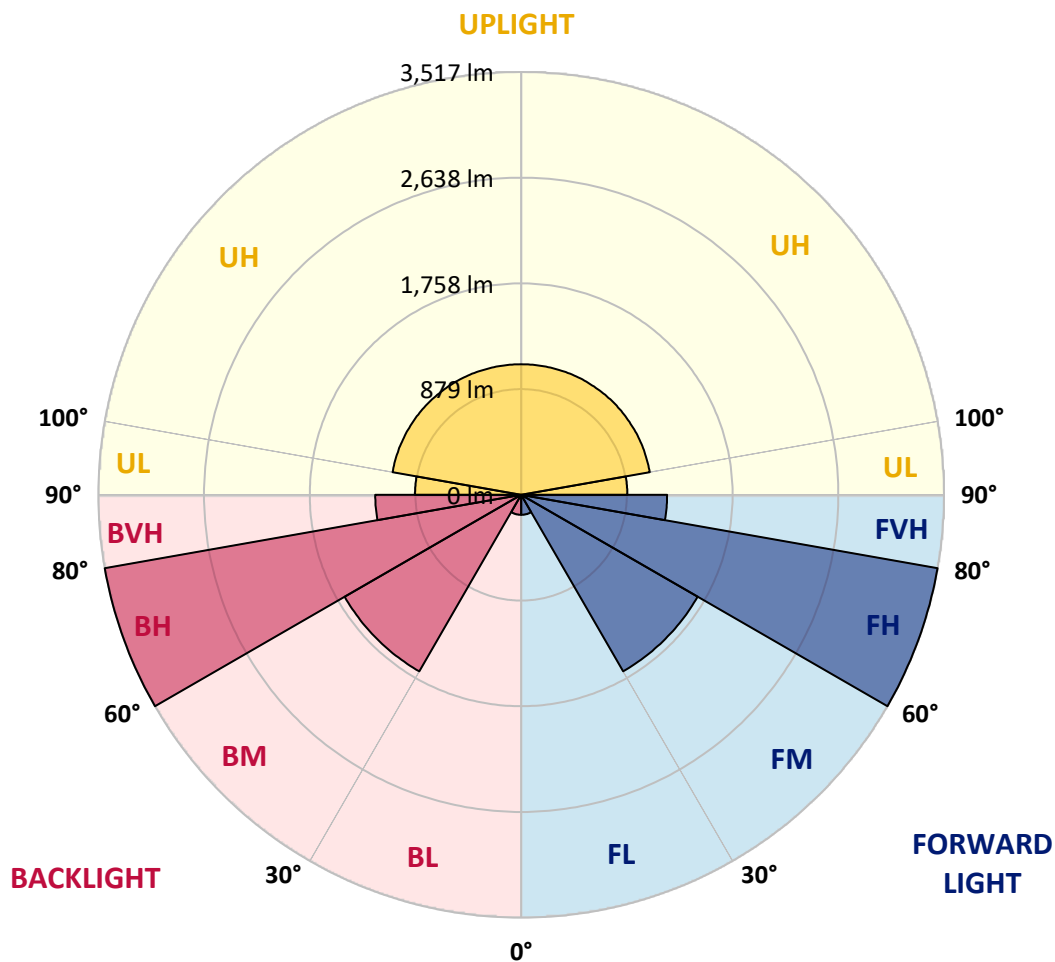
CATALOG NUMBER: GAR-080-LED-E1-5-SPUN-X

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.5	1.1			
FM	(30°-60°)	1695.3	11.0			
FH	(60°-80°)	3517.0	22.9			G2/5000
FVH	(80°-90°)	1213.8	7.9			G5
BL	(0°-30°)	166.5	1.1	B1/500		
BM	(30°-60°)	1695.3	11.0	B2/2500		
BH	(60°-80°)	3517.0	22.9	B4/5000		G2/5000
BVH	(80°-90°)	1213.8	7.9			G5
UL	(90°-100°)	883.6	5.8		U4/1000	
UH	(100°-180°)	1085.9	7.1		U5	

**BUG Rating: B4-U5-G5**

Type V Short





REPORT NUMBER: P14212

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

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	85.3
2.5°	109.9
5°	142.7
7.5°	182.0
10°	226.3
12.5°	264.0
15°	303.4
17.5°	339.5
20°	382.1
22.5°	418.2
25°	465.8
27.5°	552.7
30°	636.3
32.5°	698.6
35°	731.4
37.5°	810.2
40°	911.8
42.5°	1016.8
45°	1120.1
47.5°	1182.4
50°	1262.8
52.5°	1566.2
55°	2168.1
57.5°	2891.3
60°	3640.8
62.5°	4123.0
65°	4034.4
67.5°	3714.6
70°	3404.6
72.5°	3147.2
75°	3042.2
77.5°	2897.9
80°	2761.8
82.5°	2573.2
85°	2300.9
87.5°	1928.6
90°	1444.8
92.5°	1018.4
95°	724.9
97.5°	547.8
100°	442.8
102.5°	382.1
105°	355.9
107.5°	339.5
110°	337.8



REPORT NUMBER: P14212

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

**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	344.4
115°	352.6
117.5°	341.1
120°	311.6
122.5°	290.3
125°	269.0
127.5°	254.2
130°	241.1
132.5°	228.0
135°	216.5
137.5°	198.4
140°	185.3
142.5°	168.9
145°	157.4
147.5°	137.8
150°	119.7
152.5°	103.3
155°	85.3
157.5°	75.4
160°	60.7
162.5°	42.6
165°	32.8
167.5°	21.3
170°	11.5
172.5°	1.6
175°	4.9
177.5°	4.9
180°	3.3

(END OF REPORT)