

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: P413340

Luminaire Tested: **TT-D6-830-U-RW-PM**

Issue Date: 10/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-981-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D6-830-U-RW-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8922 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

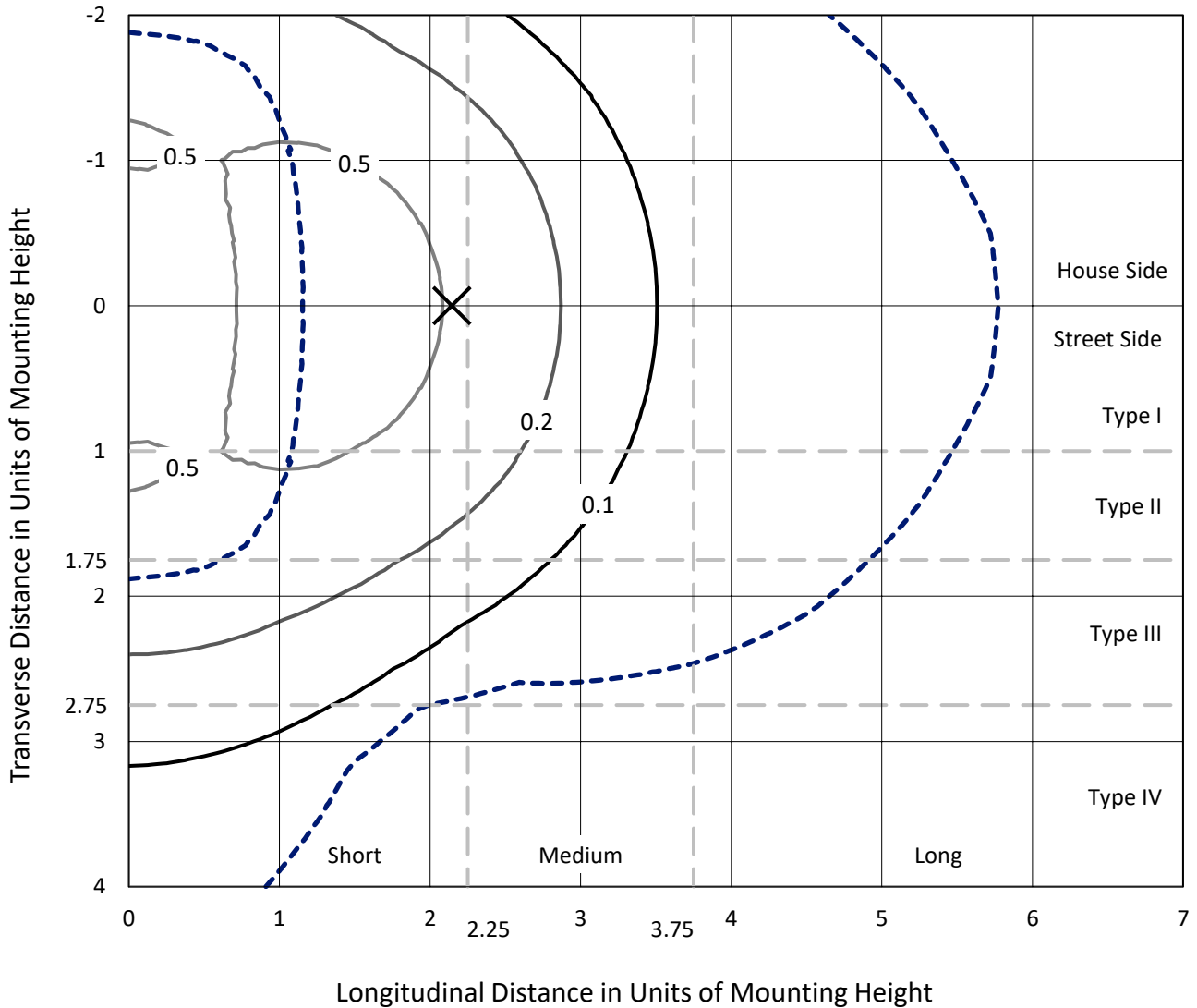
Input Watts (W): 105.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

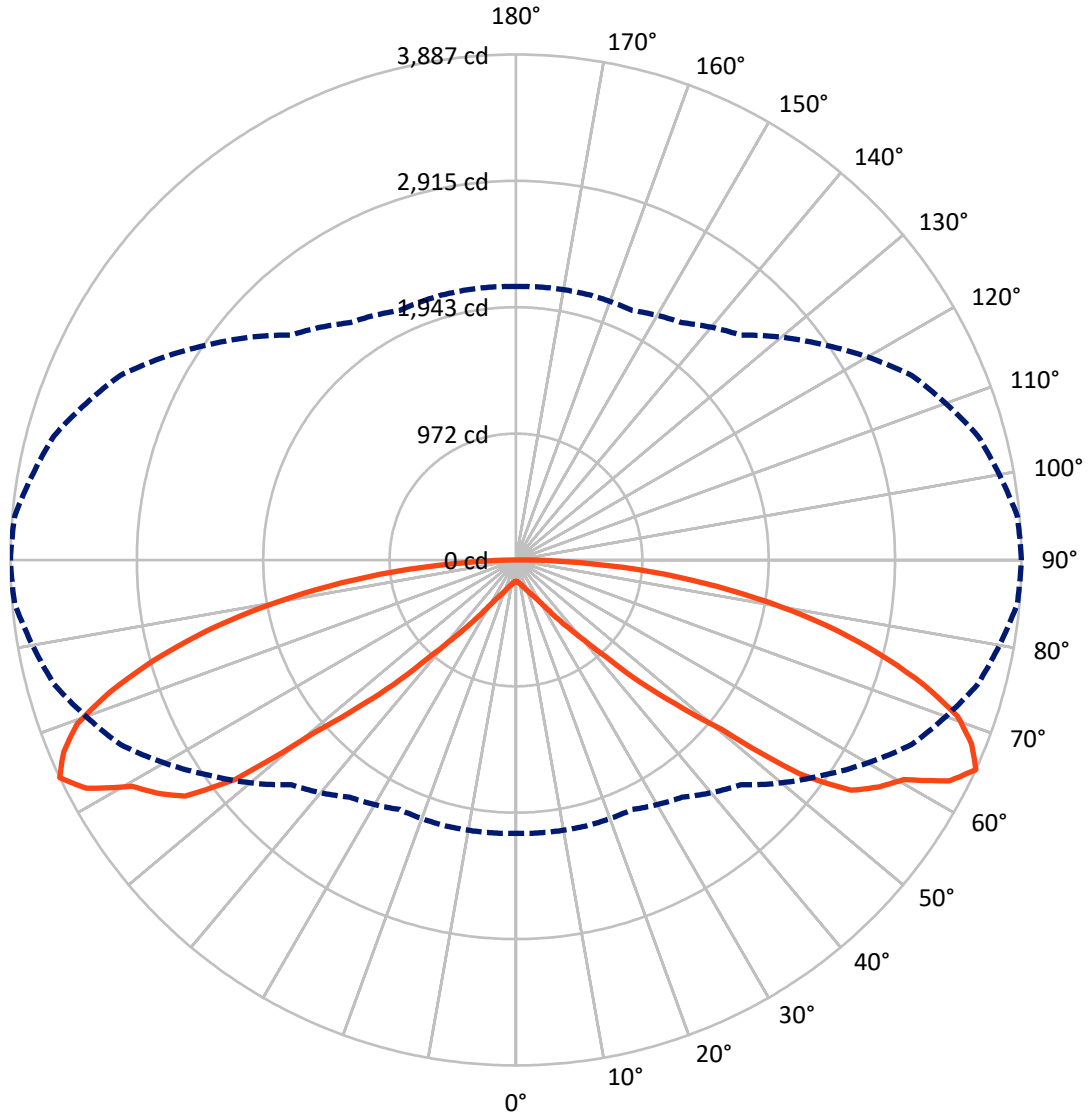
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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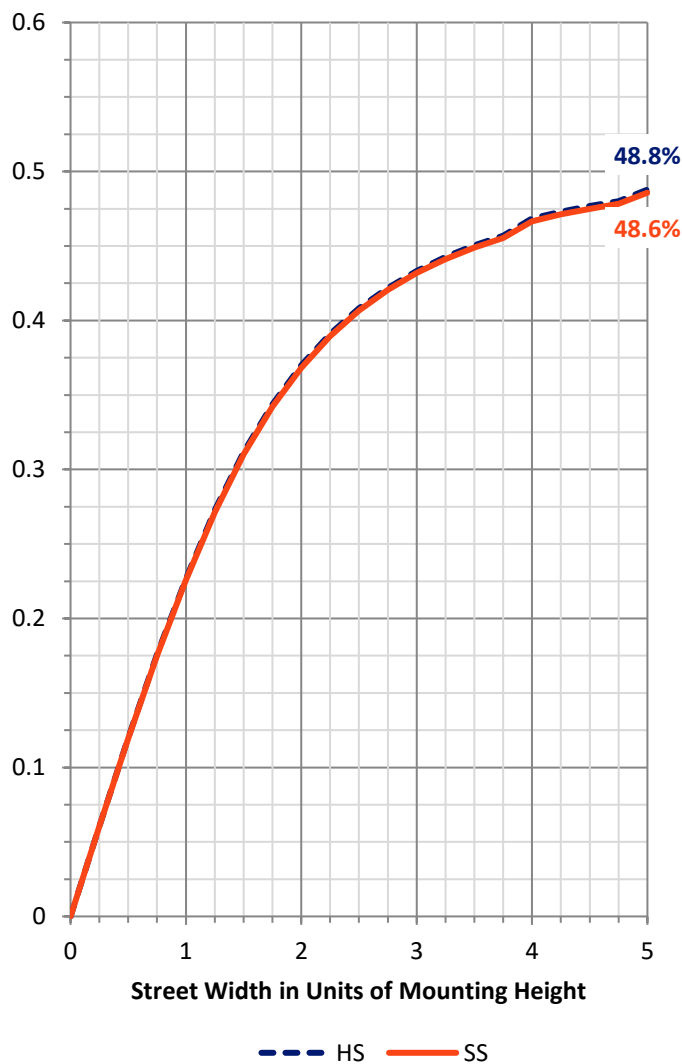
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4461.0	0.0	4461.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4461.0	0.0	4461.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8922.0	0.0	8922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.2
10°-20°	63.6	0.7
20°-30°	147.0	1.6
30°-40°	332.4	3.7
40°-50°	809.8	9.1
50°-60°	1820.9	20.4
60°-70°	2661.2	29.8
70°-80°	2318.9	26.0
80°-90°	751.1	8.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8922.0	100.0
0°-180°	8922.0	100.0

Coefficient of Utilization



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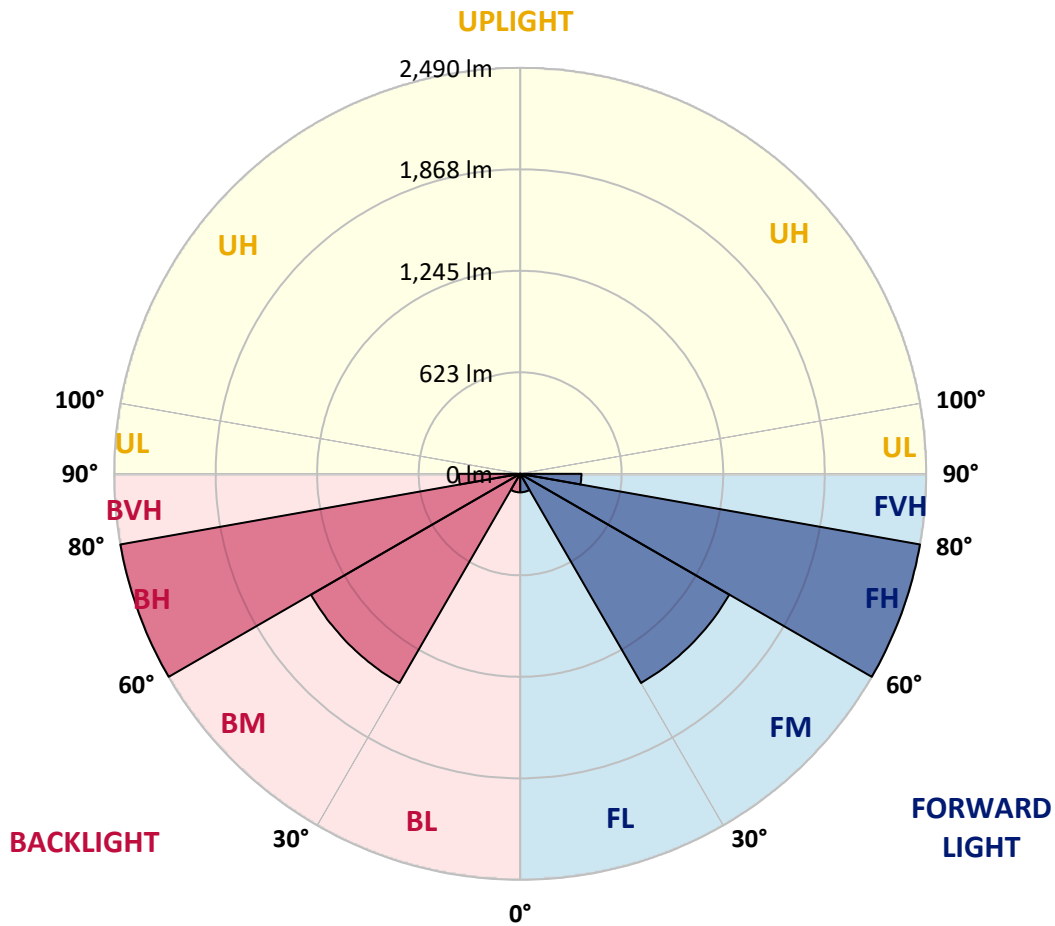
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.8	1.3			
FM (30°-60°)	1481.5	16.6			
FH (60°-80°)	2490.0	27.9			G2/5000
FVH (80°-90°)	375.6	4.2			G3/500
BL (0°-30°)	113.8	1.3	B1/500		
BM (30°-60°)	1481.5	16.6	B2/2500		
BH (60°-80°)	2490.0	27.9	B3/2500		G3/2500
BVH (80°-90°)	375.6	4.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0	163.0
2.5°	165.1	165.1	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
5°	171.5	171.5	171.5	171.5	173.6	173.6	171.5	171.5	171.5	171.5	171.5
7.5°	182.1	179.9	182.1	182.1	182.1	179.9	179.9	179.9	177.8	177.8	177.8
10°	192.6	192.6	194.8	192.6	192.6	190.5	190.5	190.5	188.4	188.4	188.4
12.5°	207.5	207.5	207.5	207.5	205.3	205.3	203.2	201.1	199.0	199.0	199.0
15°	226.5	224.4	224.4	222.3	220.2	218.0	215.9	215.9	213.8	213.8	213.8
17.5°	245.6	245.6	243.5	241.3	237.1	235.0	235.0	232.9	230.7	230.7	230.7
20°	268.9	268.9	266.7	262.5	258.3	256.2	254.0	254.0	251.9	251.9	251.9
22.5°	296.4	294.3	290.0	285.8	281.6	279.4	277.3	275.2	275.2	275.2	275.2
25°	326.0	323.9	321.8	315.4	309.1	307.0	302.7	302.7	300.6	302.7	302.7
27.5°	362.0	359.9	355.6	349.3	340.8	336.6	334.5	334.5	336.6	336.6	338.7
30°	406.5	402.2	398.0	389.5	381.1	374.7	374.7	376.8	383.2	387.4	387.4
32.5°	459.4	457.3	450.9	442.4	427.6	423.4	427.6	440.3	448.8	455.1	459.4
35°	520.8	518.7	510.2	495.4	484.8	482.7	495.4	516.5	544.1	552.5	556.8
37.5°	588.5	590.6	580.0	563.1	552.5	556.8	582.2	622.4	649.9	669.0	673.2
40°	673.2	677.4	664.7	645.7	635.1	652.0	692.2	738.8	787.5	810.8	817.1
42.5°	772.7	779.0	762.1	743.1	736.7	764.2	821.4	897.6	984.4	1011.9	1022.5
45°	895.5	899.7	878.5	861.6	857.4	906.1	1003.4	1130.5	1268.1	1331.6	1342.2
47.5°	1041.5	1039.4	1020.4	999.2	1003.4	1073.3	1219.4	1390.8	1536.9	1634.3	1655.5
50°	1208.8	1198.2	1183.4	1158.0	1185.5	1287.1	1471.3	1678.8	1924.3	2011.1	2049.2
52.5°	1376.0	1357.0	1344.3	1327.3	1376.0	1507.3	1765.5	2127.5	2498.0	2697.0	2737.2
55°	1526.3	1511.5	1505.2	1507.3	1583.5	1771.9	2110.6	2574.2	2932.0	3097.1	3126.8
57.5°	1674.5	1666.1	1659.7	1672.4	1793.1	2038.6	2419.7	2853.7	3147.9	3270.7	3291.9
60°	1814.2	1822.7	1818.5	1856.6	2002.6	2250.3	2580.6	3008.2	3291.9	3404.1	3427.4
62.5°	1968.8	1975.1	1975.1	2017.5	2136.0	2354.1	2690.7	3190.3	3550.1	3715.3	3740.7
65°	2102.1	2106.4	2114.8	2117.0	2227.0	2445.1	2885.4	3357.5	3679.3	3869.8	3886.7
67.5°	2201.6	2205.9	2195.3	2184.7	2269.4	2466.3	2870.6	3336.3	3622.1	3766.1	3778.8
70°	2282.1	2263.0	2233.4	2180.5	2208.0	2356.2	2747.8	3167.0	3454.9	3584.0	3603.1
72.5°	2292.7	2275.7	2182.6	2064.0	2030.2	2159.3	2531.9	2908.7	3156.4	3279.2	3281.3
75°	2229.2	2184.7	2030.2	1852.3	1788.8	1911.6	2231.3	2574.2	2773.2	2877.0	2887.5
77.5°	2015.3	1973.0	1778.2	1575.0	1503.0	1608.9	1879.9	2157.2	2347.7	2449.3	2455.7
80°	1636.4	1621.6	1443.8	1257.5	1170.7	1232.1	1469.2	1687.2	1841.8	1962.4	1973.0
82.5°	1206.7	1194.0	1058.5	895.5	825.6	876.4	1045.8	1206.7	1350.6	1448.0	1454.4
85°	753.6	728.2	643.6	529.2	482.7	516.5	628.7	736.7	865.8	942.0	946.3
87.5°	251.9	241.3	207.5	171.5	144.0	150.3	184.2	224.4	328.1	362.0	383.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)