

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: P887825

Luminaire Tested: **TT-D4-830-U-RW-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D4-830-U-RW-TC
Description: RW
3000K, 80 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4845 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 57.6
Input Voltage (V): 120.0
Input Current (Ain): 0.48
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 10.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



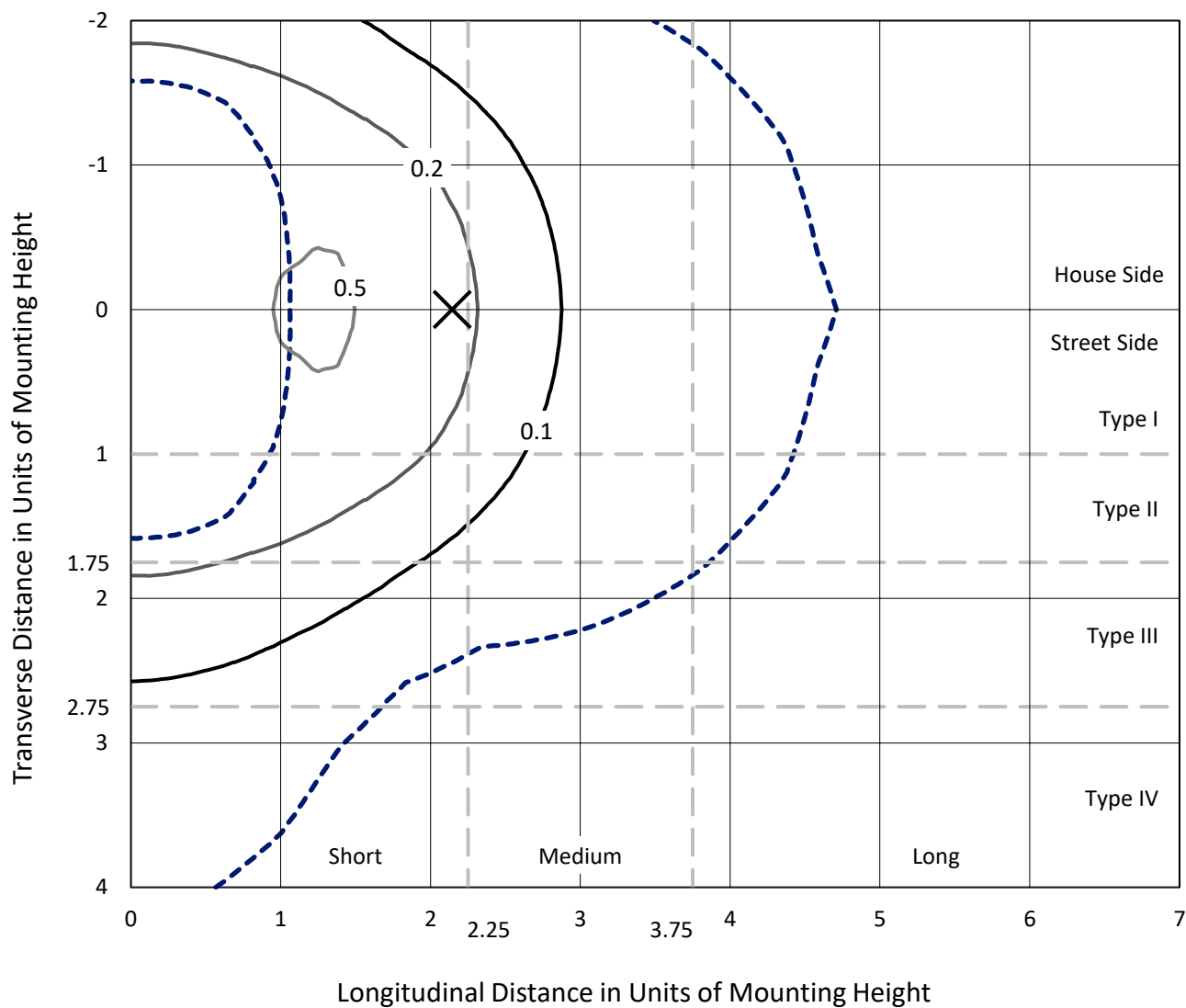
REPORT NUMBER: P887825

CATALOG NUMBER: TT-D4-830-U-RW-TC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

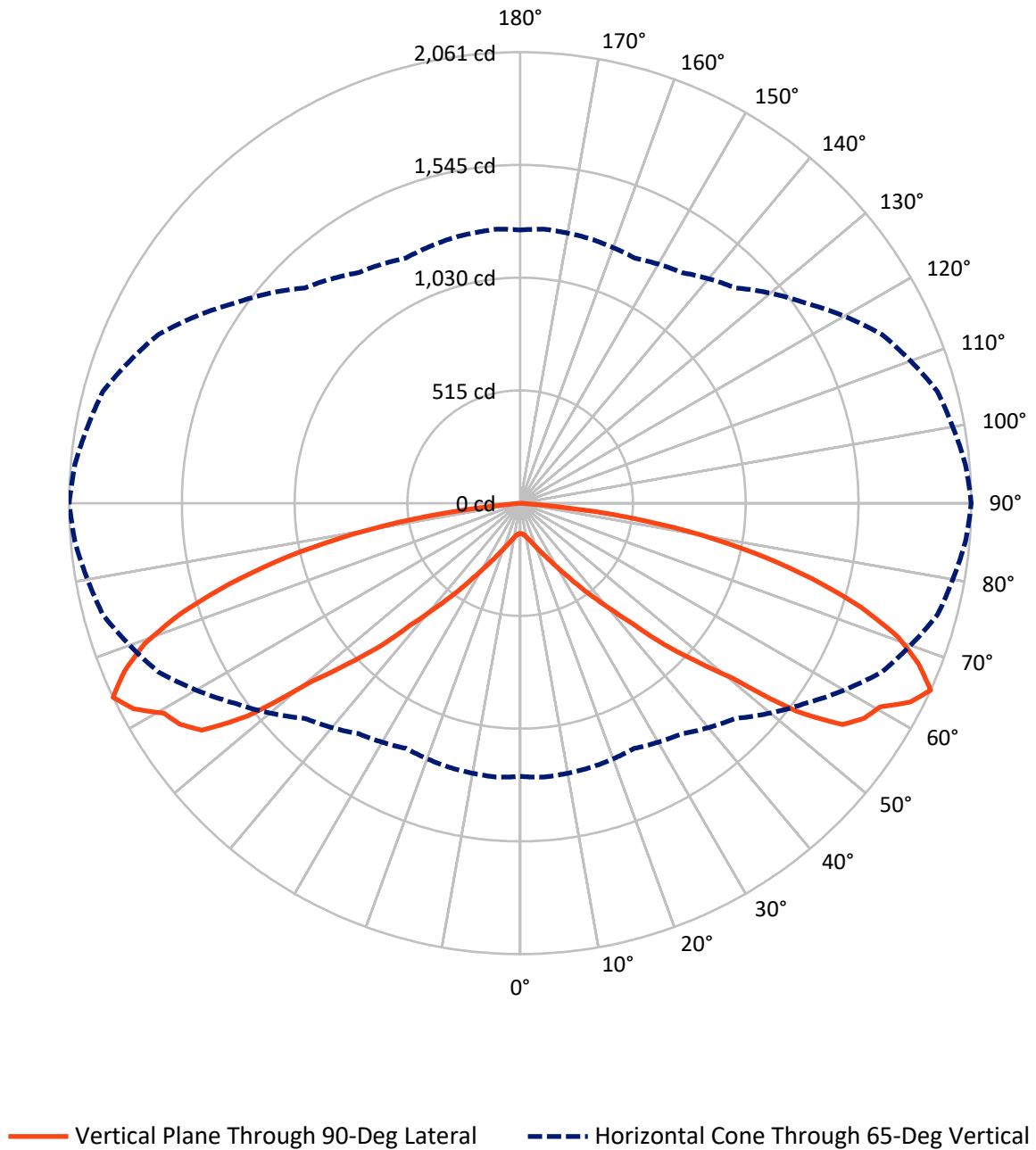


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc

Type IV - Short - N/A

REPORT NUMBER: P887825
CATALOG NUMBER: TT-D4-830-U-RW-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887825

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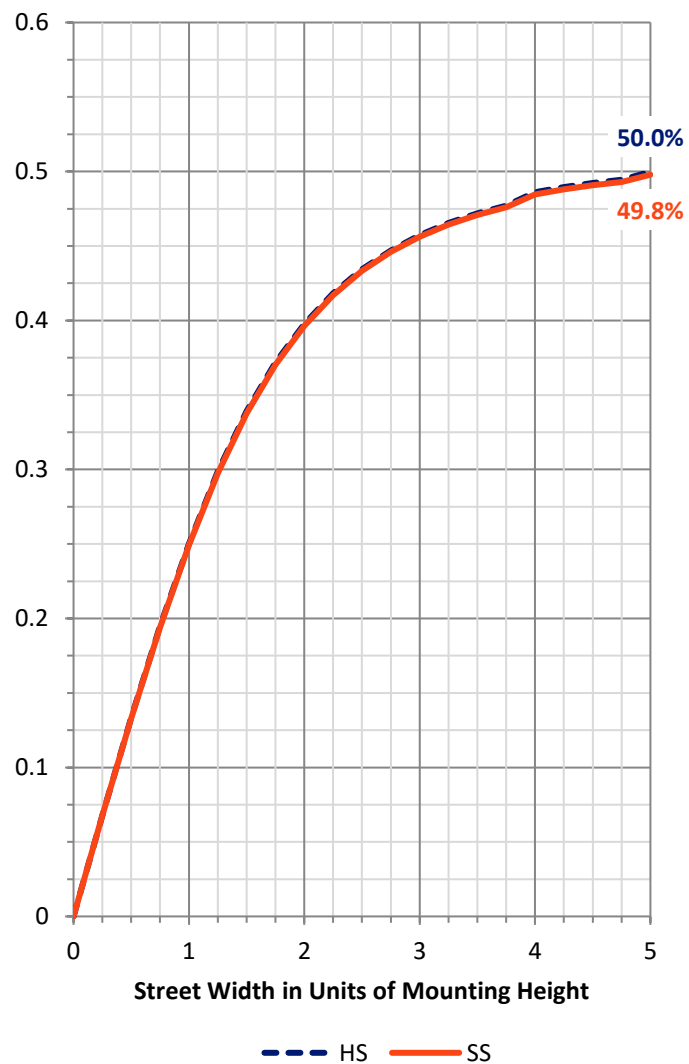
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2422.5	0.0	2422.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2422.5	0.0	2422.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4845.0	0.0	4845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.3
10°-20°	51.4	1.1
20°-30°	118.6	2.4
30°-40°	258.4	5.3
40°-50°	558.9	11.5
50°-60°	1095.5	22.6
60°-70°	1481.1	30.6
70°-80°	1110.4	22.9
80°-90°	156.6	3.2
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°	4845.0	100.0
0°-180°	4845.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887825

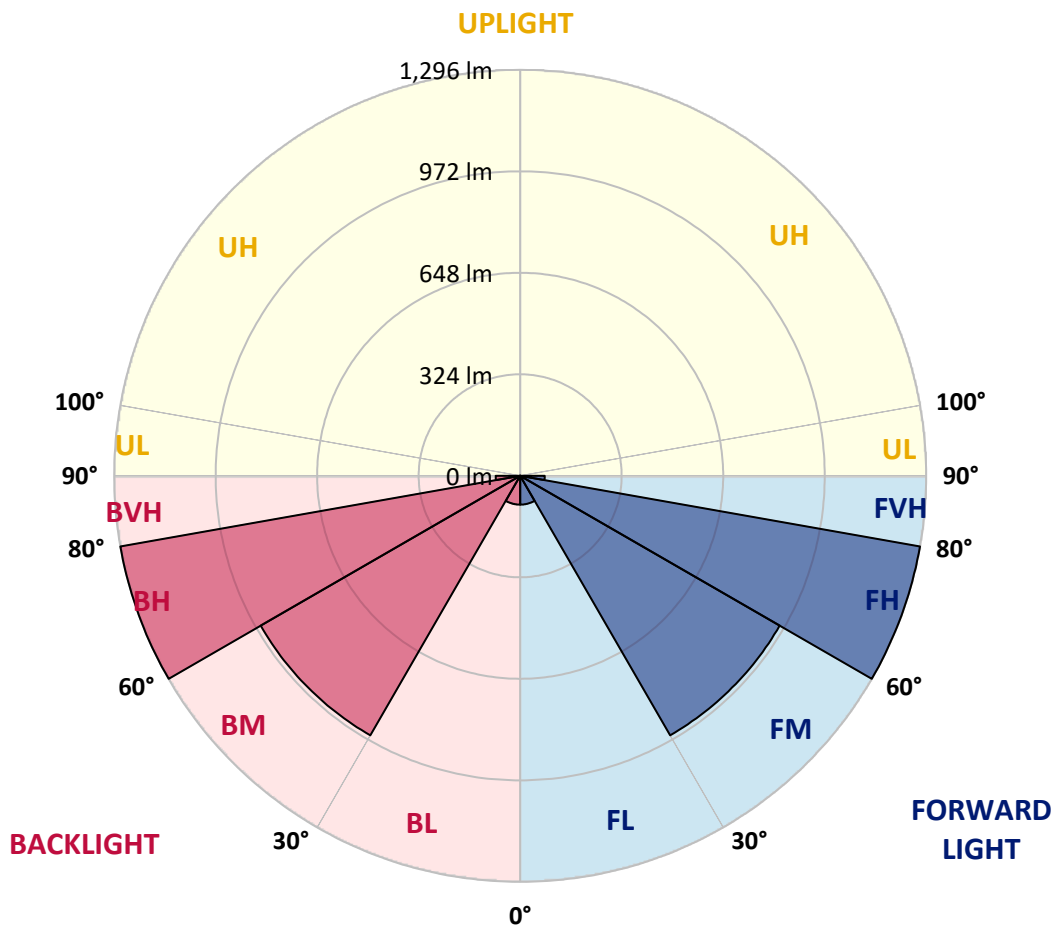
CATALOG NUMBER: TT-D4-830-U-RW-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.1	1.9			
FM	(30°-60°)	956.4	19.7			
FH	(60°-80°)	1295.8	26.7			G1/1800
FVH	(80°-90°)	78.3	1.6			G1/100
BL	(0°-30°)	92.1	1.9	B0/110		
BM	(30°-60°)	956.4	19.7	B1/1000		
BH	(60°-80°)	1295.8	26.7	B3/2500		G3/2500
BVH	(80°-90°)	78.3	1.6			G1/100
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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CATALOG NUMBER: TT-D4-830-U-RW-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6	138.6
2.5°	140.2	140.2	140.2	140.2	139.7	140.2	139.7	139.7	139.7	139.7	139.7
5°	142.4	142.9	143.4	143.4	143.4	143.4	143.4	143.4	143.4	142.9	142.9
7.5°	147.2	148.2	148.2	148.8	148.8	148.8	148.8	148.8	148.8	148.2	148.2
10°	154.6	155.2	155.7	155.7	155.7	156.2	157.3	157.3	157.3	156.8	157.8
12.5°	163.2	163.7	163.7	164.2	165.3	165.3	165.8	166.9	167.4	167.4	168.5
15°	173.3	174.4	174.4	174.4	176.5	177.0	178.1	179.2	180.2	180.2	181.3
17.5°	185.0	186.6	186.1	186.6	189.3	190.4	192.5	193.6	196.2	197.3	198.4
20°	199.4	201.0	200.5	201.6	203.7	206.4	208.5	212.8	215.4	215.4	217.6
22.5°	217.0	218.6	217.6	218.1	221.3	223.4	228.2	232.5	236.8	238.9	241.0
25°	237.3	239.4	237.8	238.9	242.1	244.8	250.6	258.1	262.9	266.6	269.8
27.5°	264.5	266.6	265.0	265.0	269.3	271.4	280.0	288.5	296.5	300.2	302.9
30°	294.4	297.6	294.9	294.9	299.7	301.8	312.0	324.8	336.0	342.4	346.6
32.5°	329.6	331.2	329.0	329.6	333.3	337.0	352.5	370.1	385.5	393.5	398.9
35°	370.6	373.8	368.5	367.4	373.3	380.8	400.5	427.1	450.1	461.3	467.1
37.5°	418.6	420.2	414.9	413.8	422.9	433.5	461.3	496.5	522.1	537.0	545.0
40°	473.5	478.3	469.8	470.3	479.4	495.4	531.1	573.3	607.9	626.1	634.6
42.5°	533.3	542.9	531.7	530.6	547.1	567.9	611.1	665.5	717.2	743.9	750.8
45°	599.4	613.8	603.1	602.1	624.5	651.6	712.4	795.6	862.8	911.9	920.4
47.5°	676.2	690.0	677.2	680.4	706.6	750.3	831.9	932.7	1014.3	1067.6	1075.1
50°	765.8	767.9	759.9	763.1	809.0	866.0	966.3	1075.6	1195.0	1249.4	1253.2
52.5°	853.2	846.8	841.0	851.6	908.1	979.6	1104.9	1285.2	1453.1	1560.3	1579.5
55°	939.6	929.5	928.9	944.9	1016.9	1116.1	1277.2	1503.8	1675.5	1765.1	1786.4
57.5°	1022.3	1018.0	1018.5	1031.9	1122.5	1248.4	1436.1	1642.5	1782.2	1843.0	1853.6
60°	1102.3	1109.7	1104.4	1126.3	1224.4	1350.2	1495.8	1695.8	1831.8	1884.6	1889.9
62.5°	1180.1	1187.6	1185.4	1203.0	1268.6	1374.2	1527.8	1760.8	1917.6	1992.8	2000.8
65°	1248.4	1256.4	1249.4	1236.1	1286.2	1390.8	1593.4	1823.8	1973.1	2041.3	2060.5
67.5°	1298.5	1300.6	1274.5	1239.3	1267.6	1354.0	1549.1	1769.9	1900.0	1944.8	1963.5
70°	1326.2	1310.2	1262.8	1194.5	1178.0	1244.6	1438.2	1632.3	1766.2	1812.0	1830.2
72.5°	1295.3	1272.4	1188.1	1079.9	1027.1	1078.3	1267.6	1450.5	1560.9	1607.3	1629.7
75°	1186.5	1151.8	1043.1	909.2	835.6	885.2	1053.7	1217.4	1312.4	1348.1	1373.7
77.5°	972.1	946.0	835.6	699.1	623.4	659.1	805.2	933.7	1030.3	1055.9	1092.1
80°	679.9	651.1	579.1	464.5	394.6	411.7	522.6	625.0	708.7	742.8	776.4
82.5°	336.5	314.6	288.5	225.0	172.8	173.8	236.8	285.3	360.0	390.3	424.5
85°	12.3	13.9	16.5	20.3	16.0	12.3	22.9	27.2	18.7	29.3	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)