

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: P887555

Luminaire Tested: **TT-D1-830-U-RW-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887555
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-D1-830-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: 2480 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 28
Input Voltage (V): 120.0
Input Current (Ain): 0.23
Voltage Rise (V): NR
Power Factor: 0.979
Total Harmonic Distortion (THDi): 13.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



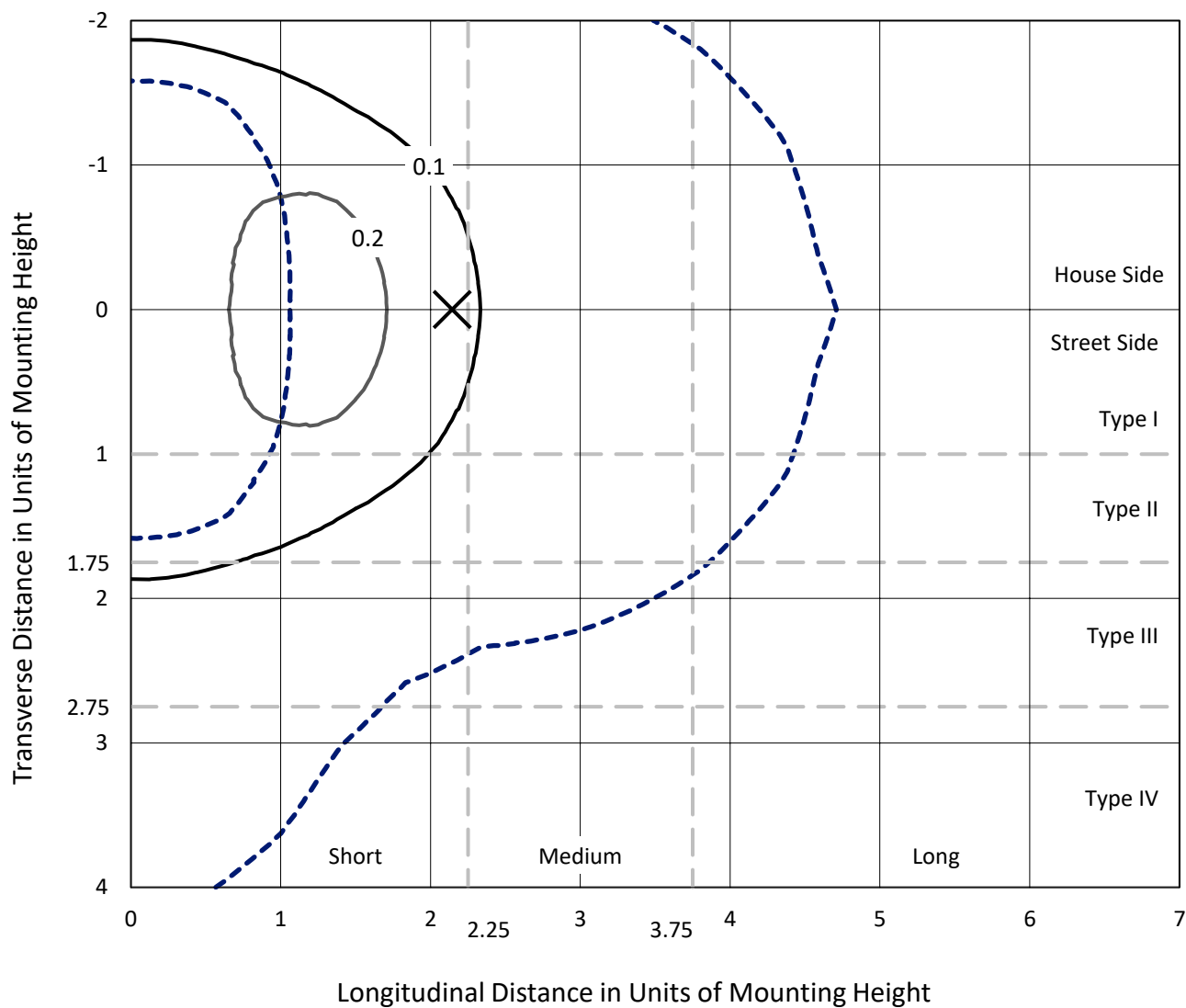
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

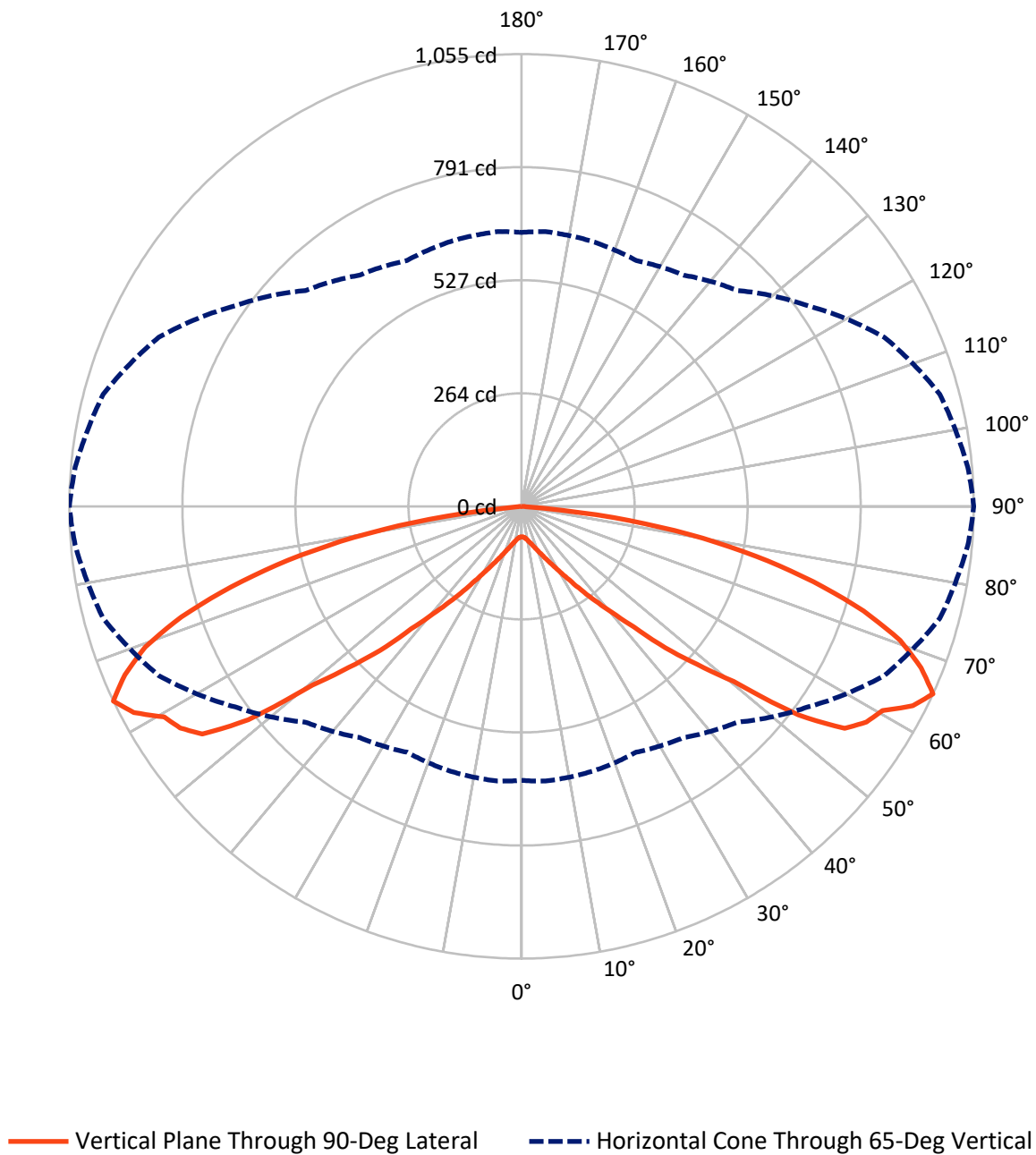


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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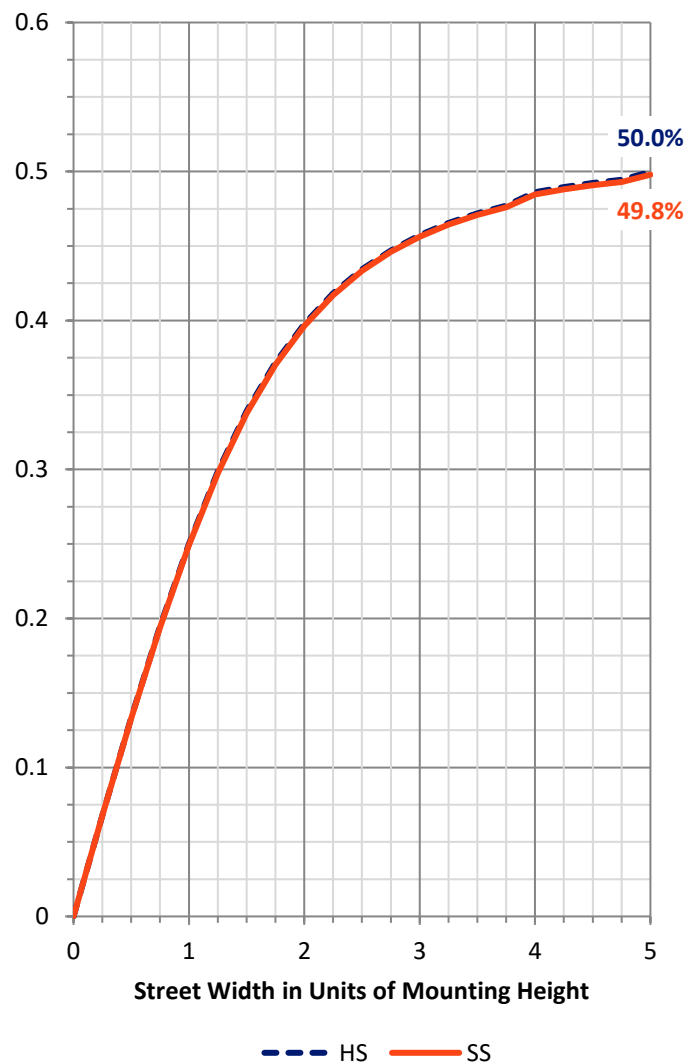
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1240.0	0.0	1240.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1240.0	0.0	1240.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2480.0	0.0	2480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.3
10°-20°	26.3	1.1
20°-30°	60.7	2.4
30°-40°	132.3	5.3
40°-50°	286.1	11.5
50°-60°	560.7	22.6
60°-70°	758.1	30.6
70°-80°	568.4	22.9
80°-90°	80.1	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°	2480.0	100.0
0°-180°	2480.0	100.0

Coefficient of Utilization



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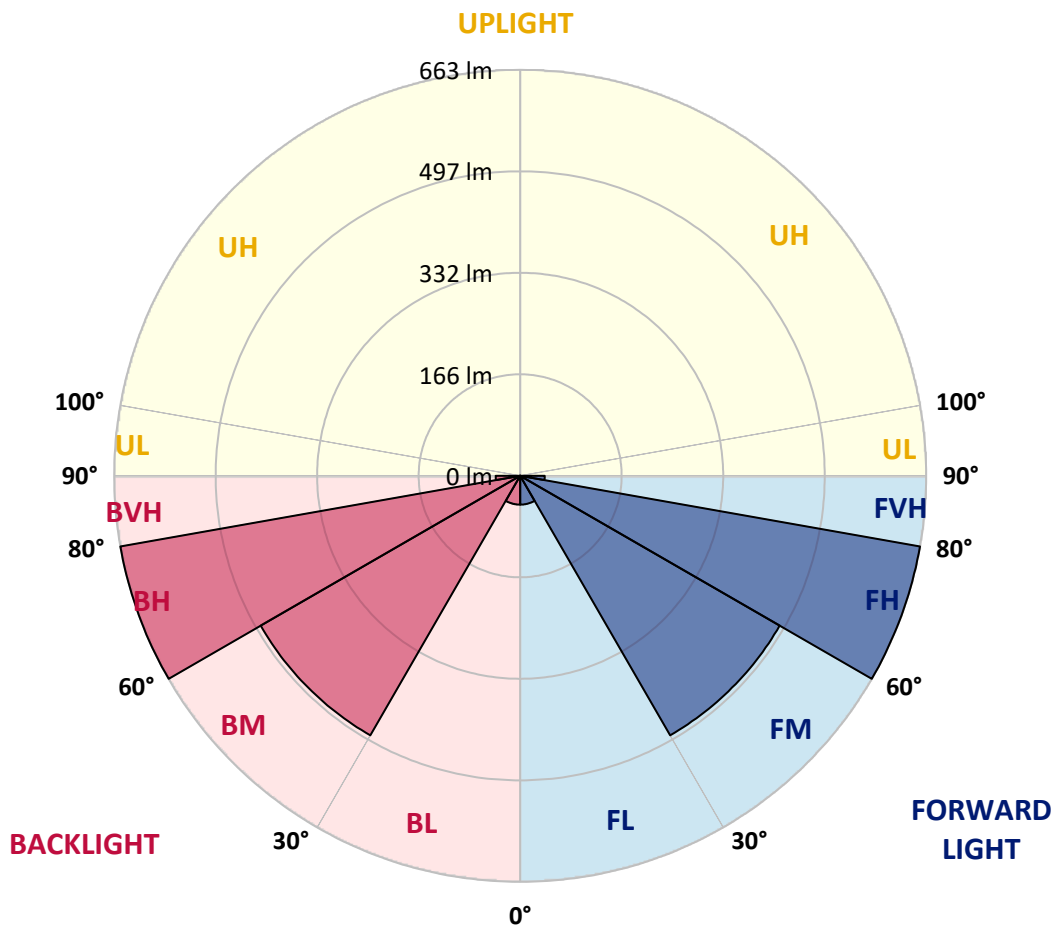
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.1	1.9			
FM	(30°-60°)	489.6	19.7			
FH	(60°-80°)	663.3	26.7			G1/1800
FVH	(80°-90°)	40.1	1.6			G1/100
BL	(0°-30°)	47.1	1.9	B0/110		
BM	(30°-60°)	489.6	19.7	B1/1000		
BH	(60°-80°)	663.3	26.7	B2/1000		G2/1000
BVH	(80°-90°)	40.1	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	71.8	71.8	71.8	71.8	71.5	71.8	71.5	71.5	71.5	71.5	71.5
5°	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.2	73.2
7.5°	75.3	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	75.9	75.9
10°	79.2	79.4	79.7	79.7	79.7	80.0	80.5	80.5	80.5	80.3	80.8
12.5°	83.5	83.8	83.8	84.1	84.6	84.6	84.9	85.4	85.7	85.7	86.3
15°	88.7	89.3	89.3	89.3	90.3	90.6	91.2	91.7	92.3	92.3	92.8
17.5°	94.7	95.5	95.3	95.5	96.9	97.4	98.5	99.1	100.4	101.0	101.5
20°	102.1	102.9	102.6	103.2	104.3	105.6	106.7	108.9	110.3	110.3	111.4
22.5°	111.1	111.9	111.4	111.6	113.3	114.4	116.8	119.0	121.2	122.3	123.4
25°	121.5	122.6	121.7	122.3	123.9	125.3	128.3	132.1	134.6	136.5	138.1
27.5°	135.4	136.5	135.7	135.7	137.8	138.9	143.3	147.7	151.8	153.7	155.0
30°	150.7	152.3	150.9	150.9	153.4	154.5	159.7	166.2	172.0	175.2	177.4
32.5°	168.7	169.5	168.4	168.7	170.6	172.5	180.4	189.4	197.4	201.4	204.2
35°	189.7	191.3	188.6	188.1	191.1	194.9	205.0	218.6	230.4	236.1	239.1
37.5°	214.3	215.1	212.4	211.8	216.5	221.9	236.1	254.1	267.2	274.9	279.0
40°	242.4	244.8	240.5	240.8	245.4	253.6	271.9	293.4	311.2	320.5	324.8
42.5°	273.0	277.9	272.1	271.6	280.1	290.7	312.8	340.7	367.1	380.8	384.3
45°	306.8	314.2	308.7	308.2	319.6	333.6	364.7	407.3	441.7	466.8	471.1
47.5°	346.1	353.2	346.7	348.3	361.7	384.1	425.8	477.4	519.2	546.5	550.3
50°	392.0	393.1	389.0	390.6	414.1	443.3	494.6	550.6	611.7	639.5	641.5
52.5°	436.7	433.5	430.5	435.9	464.9	501.4	565.6	657.8	743.8	798.7	808.5
55°	481.0	475.8	475.5	483.7	520.5	571.3	653.7	769.7	857.6	903.5	914.4
57.5°	523.3	521.1	521.4	528.2	574.6	639.0	735.1	840.7	912.2	943.4	948.8
60°	564.2	568.0	565.3	576.5	626.7	691.1	765.7	868.0	937.6	964.6	967.4
62.5°	604.1	607.9	606.8	615.8	649.4	703.4	782.0	901.3	981.6	1020.1	1024.1
65°	639.0	643.1	639.5	632.7	658.4	711.9	815.6	933.5	1010.0	1044.9	1054.7
67.5°	664.7	665.8	652.4	634.4	648.8	693.0	793.0	906.0	972.6	995.5	1005.0
70°	678.9	670.7	646.4	611.4	603.0	637.1	736.2	835.5	904.0	927.5	936.8
72.5°	663.0	651.3	608.2	552.7	525.7	551.9	648.8	742.5	799.0	822.7	834.2
75°	607.3	589.6	533.9	465.4	427.7	453.1	539.4	623.2	671.8	690.0	703.1
77.5°	497.6	484.2	427.7	357.9	319.1	337.4	412.2	478.0	527.4	540.5	559.0
80°	348.0	333.3	296.4	237.7	202.0	210.7	267.5	319.9	362.8	380.2	397.4
82.5°	172.2	161.0	147.7	115.2	88.4	89.0	121.2	146.0	184.2	199.8	217.3
85°	6.3	7.1	8.5	10.4	8.2	6.3	11.7	13.9	9.6	15.0	9.3
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)