

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: P543105

Luminaire Tested: **TT-D10-830-U-5CQ-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2012-100-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D10-830-U-5CQ-PM
Description: TOPTIER LED SITE LUMINAIRE
3000K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18001 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

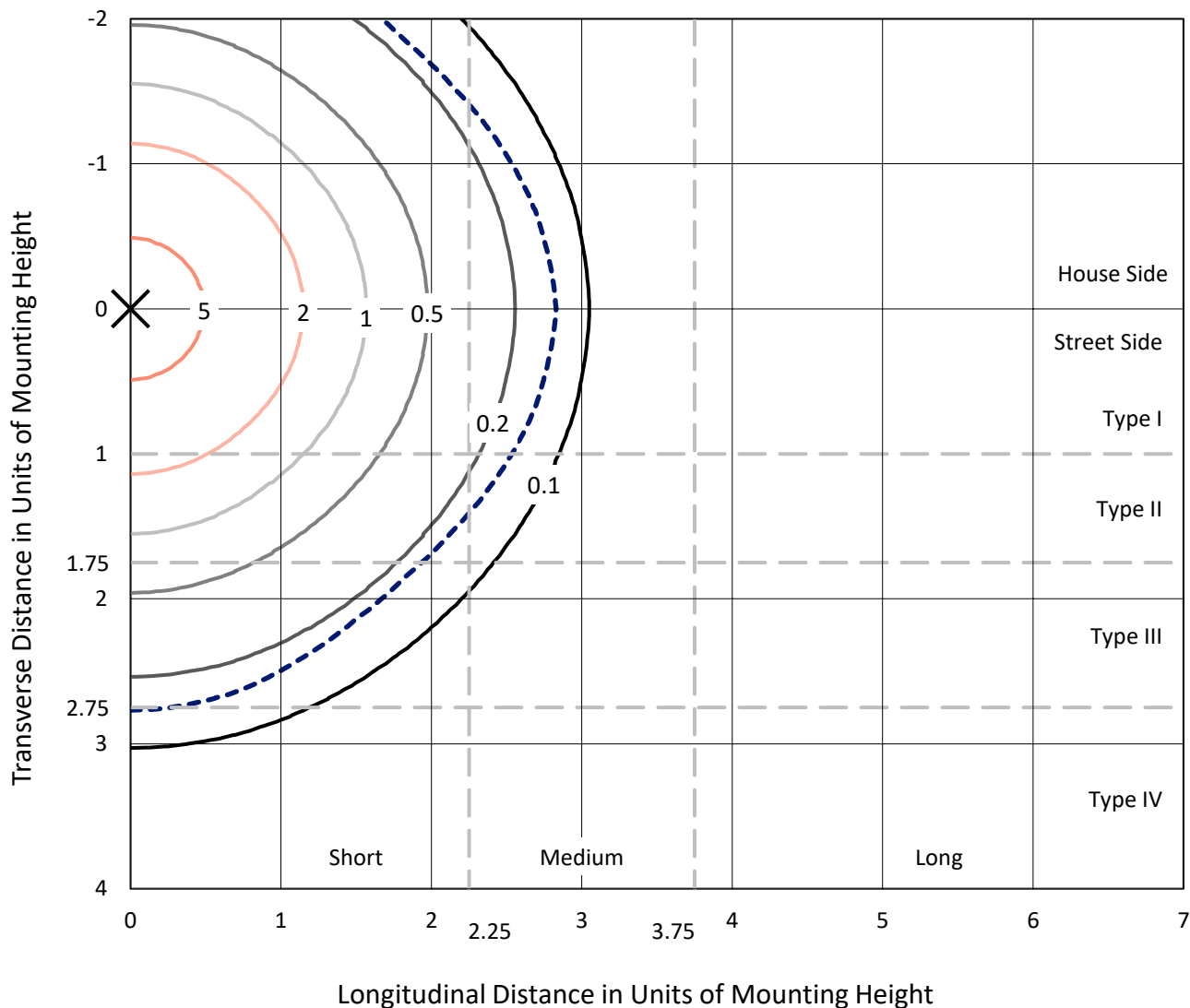
Input Watts (W): 193.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

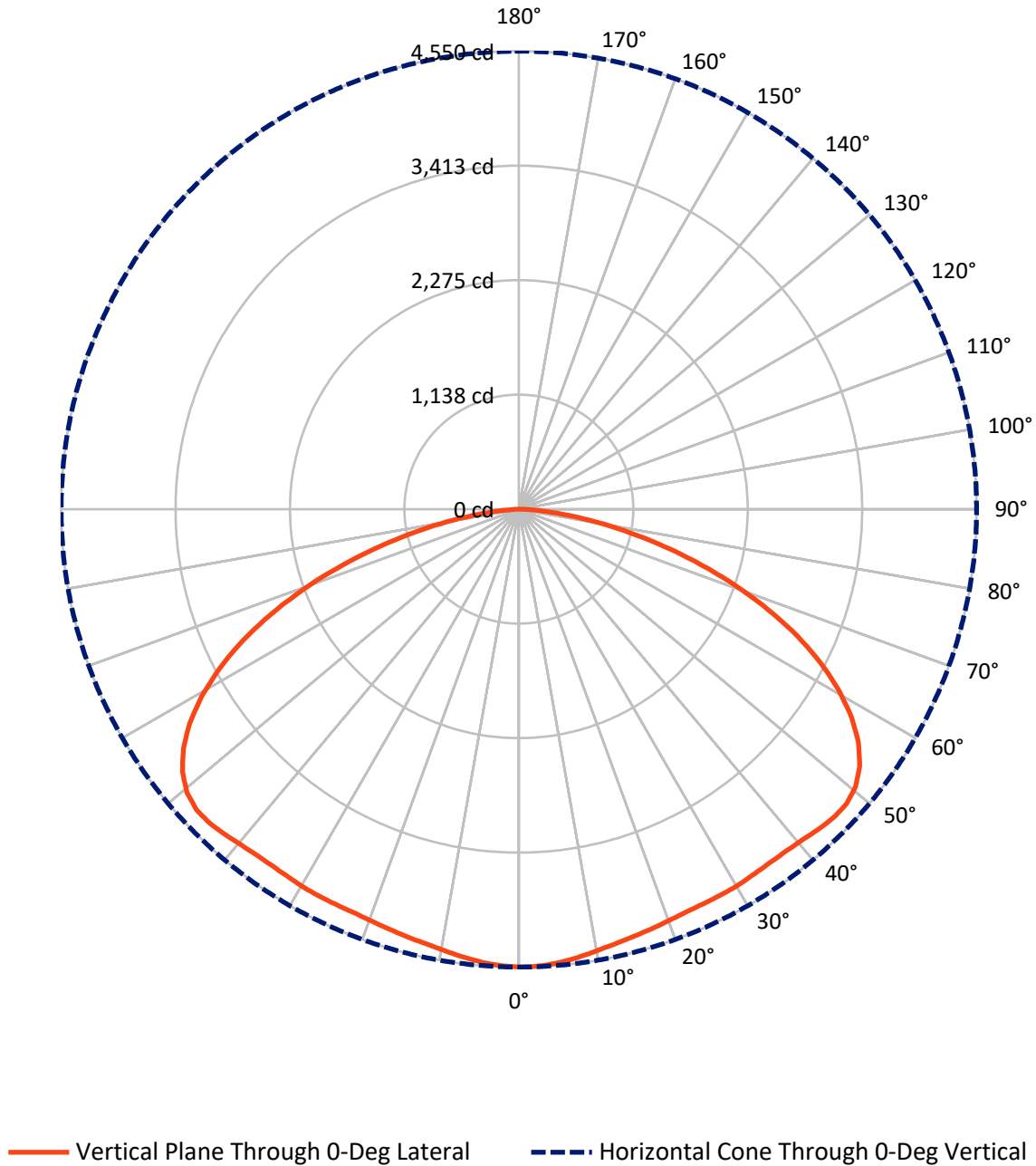
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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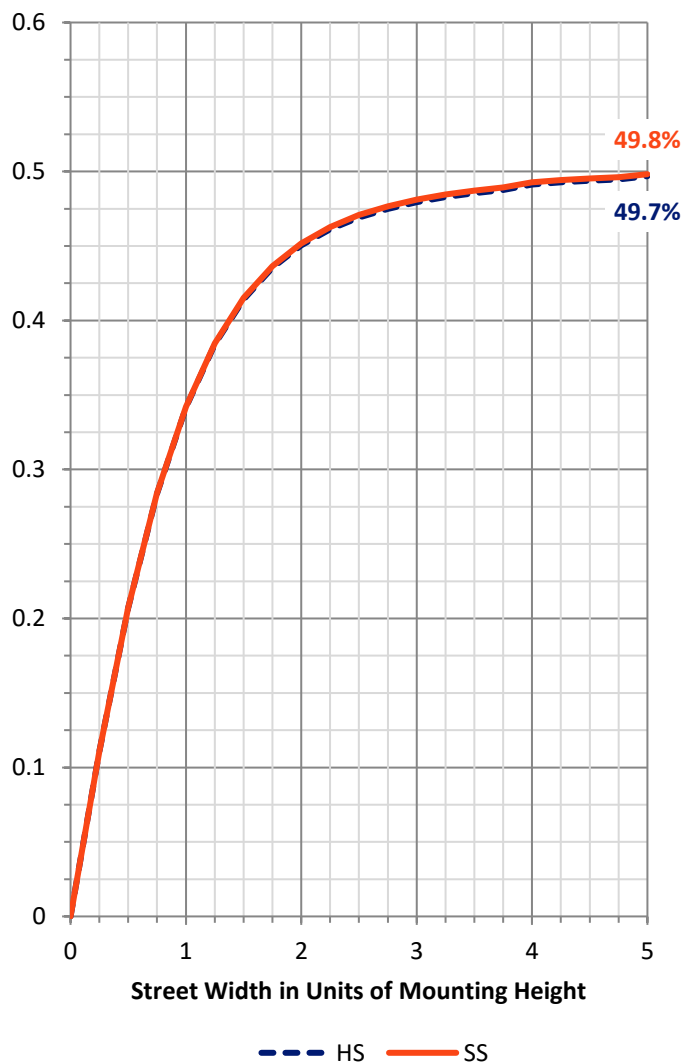
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9000.5	0.0	9000.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9000.5	0.0	9000.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18001.0	0.0	18001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.7	2.4
10°-20°	1241.6	6.9
20°-30°	1995.3	11.1
30°-40°	2686.4	14.9
40°-50°	3323.9	18.5
50°-60°	3565.7	19.8
60°-70°	2905.8	16.1
70°-80°	1550.1	8.6
80°-90°	303.5	1.7
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°	18001.0	100.0
0°-180°	18001.0	100.0

Coefficient of Utilization

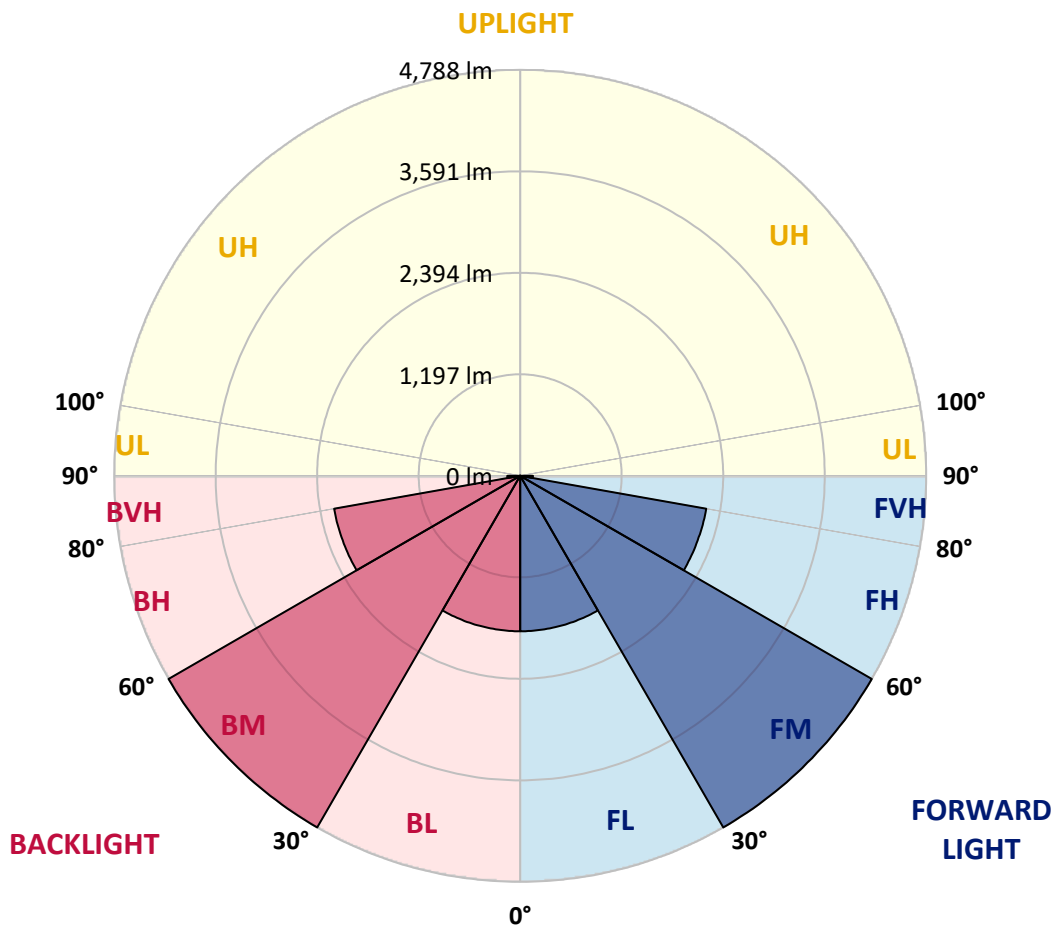


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1832.8	10.2			
FM (30°-60°)	4788.0	26.6			
FH (60°-80°)	2227.9	12.4			G2/5000
FVH (80°-90°)	151.8	0.8			G2/225
BL (0°-30°)	1832.8	10.2	B3/2500		
BM (30°-60°)	4788.0	26.6	B3/5000		
BH (60°-80°)	2227.9	12.4	B3/2500		G2/5000
BVH (80°-90°)	151.8	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0	4550.0
2.5°	4541.8	4541.8	4541.0	4539.3	4536.8	4535.2	4536.0	4538.5	4541.0	4541.8	4542.6
5°	4518.7	4520.4	4517.9	4514.6	4512.1	4511.3	4510.5	4513.8	4516.3	4517.1	4517.9
7.5°	4485.0	4487.4	4485.8	4482.5	4479.2	4477.5	4477.5	4479.2	4481.7	4484.1	4484.1
10°	4448.7	4448.7	4447.9	4444.6	4441.3	4438.8	4439.7	4441.3	4444.6	4447.1	4447.9
12.5°	4416.6	4417.4	4415.0	4410.0	4405.1	4402.6	4402.6	4406.7	4411.7	4414.1	4415.8
15°	4391.9	4392.7	4390.3	4382.8	4377.1	4375.4	4377.1	4380.4	4385.3	4388.6	4389.4
17.5°	4368.8	4369.7	4366.4	4358.1	4353.2	4350.7	4350.7	4355.7	4362.3	4364.7	4365.5
20°	4347.4	4346.6	4342.5	4333.4	4326.8	4323.5	4325.2	4331.8	4340.0	4344.1	4344.1
22.5°	4331.8	4331.0	4325.2	4315.3	4307.9	4302.1	4305.4	4313.7	4323.5	4331.0	4331.0
25°	4328.5	4326.8	4317.8	4306.3	4293.9	4289.0	4293.9	4305.4	4317.8	4326.8	4328.5
27.5°	4327.7	4325.2	4315.3	4299.7	4287.3	4283.2	4287.3	4301.3	4317.0	4327.7	4328.5
30°	4323.5	4321.9	4308.7	4291.4	4276.6	4271.7	4277.4	4293.1	4310.4	4320.3	4322.7
32.5°	4313.7	4311.2	4298.0	4278.3	4261.8	4255.2	4261.0	4279.1	4296.4	4310.4	4312.0
35°	4308.7	4307.1	4290.6	4265.9	4247.0	4237.1	4245.3	4264.3	4284.8	4301.3	4303.8
37.5°	4312.8	4310.4	4292.3	4263.4	4237.9	4227.2	4234.6	4256.8	4282.4	4301.3	4304.6
40°	4328.5	4325.2	4303.0	4268.4	4235.4	4223.1	4232.1	4260.1	4293.1	4314.5	4320.3
42.5°	4355.7	4352.4	4322.7	4279.1	4237.9	4223.1	4237.9	4275.0	4317.8	4345.8	4349.9
45°	4378.7	4375.4	4341.7	4288.1	4241.2	4223.9	4244.5	4294.7	4351.5	4388.6	4393.5
47.5°	4380.4	4375.4	4335.1	4275.0	4222.3	4206.6	4237.1	4299.7	4371.3	4419.1	4424.8
50°	4337.5	4332.6	4284.8	4218.1	4162.1	4147.3	4193.4	4270.8	4354.8	4409.2	4416.6
52.5°	4242.0	4237.1	4186.8	4111.9	4052.6	4041.1	4097.9	4186.0	4277.4	4338.4	4346.6
55°	4095.4	4088.0	4038.6	3957.1	3890.4	3884.6	3943.9	4037.8	4136.6	4195.9	4209.9
57.5°	3899.4	3891.2	3838.5	3751.2	3685.3	3677.9	3738.0	3834.4	3939.0	3995.8	4010.6
60°	3653.2	3652.4	3593.1	3505.0	3442.4	3431.7	3485.2	3584.0	3685.3	3745.4	3759.4
62.5°	3368.2	3368.2	3309.0	3229.9	3159.1	3148.4	3198.6	3295.8	3389.7	3449.0	3467.1
65°	3043.8	3037.2	2991.9	2909.5	2838.7	2830.5	2879.9	2957.3	3053.7	3109.7	3127.0
67.5°	2682.2	2674.8	2642.7	2564.5	2503.5	2486.2	2528.2	2607.3	2691.3	2745.7	2757.2
70°	2296.8	2293.5	2260.6	2190.6	2133.8	2120.6	2159.3	2226.8	2297.7	2342.1	2361.1
72.5°	1900.7	1902.4	1867.8	1810.1	1770.6	1757.4	1782.9	1829.9	1908.9	1937.8	1953.4
75°	1509.5	1507.9	1486.5	1437.1	1400.0	1383.5	1409.9	1456.0	1493.1	1530.1	1548.2
77.5°	1134.0	1131.5	1120.0	1078.8	1054.1	1041.8	1055.8	1087.9	1119.2	1151.3	1156.2
80°	787.3	788.1	774.9	749.4	723.1	721.4	732.9	749.4	774.9	796.4	799.7
82.5°	480.9	482.6	471.9	462.0	439.8	439.8	448.0	462.8	476.0	493.3	488.4
85°	228.9	228.9	226.5	218.2	210.8	208.4	212.5	218.2	224.0	232.2	233.1
87.5°	56.0	56.8	57.6	54.4	50.2	48.6	51.1	53.5	56.8	61.8	59.3
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)