

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: P543163

Luminaire Tested: **TT-D8-735-U-5CQ-PM**

Issue Date: 6/22/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P543163  
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-D8-735-U-5CQ-PM  
Description: TOPTIER LED SITE LUMINAIRE  
3500K, 70 CRI LEDS AND CONCENTRATED DISTRIBUTION  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17500 lumens  
Efficiency: N/A  
Efficacy: 117.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.12' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

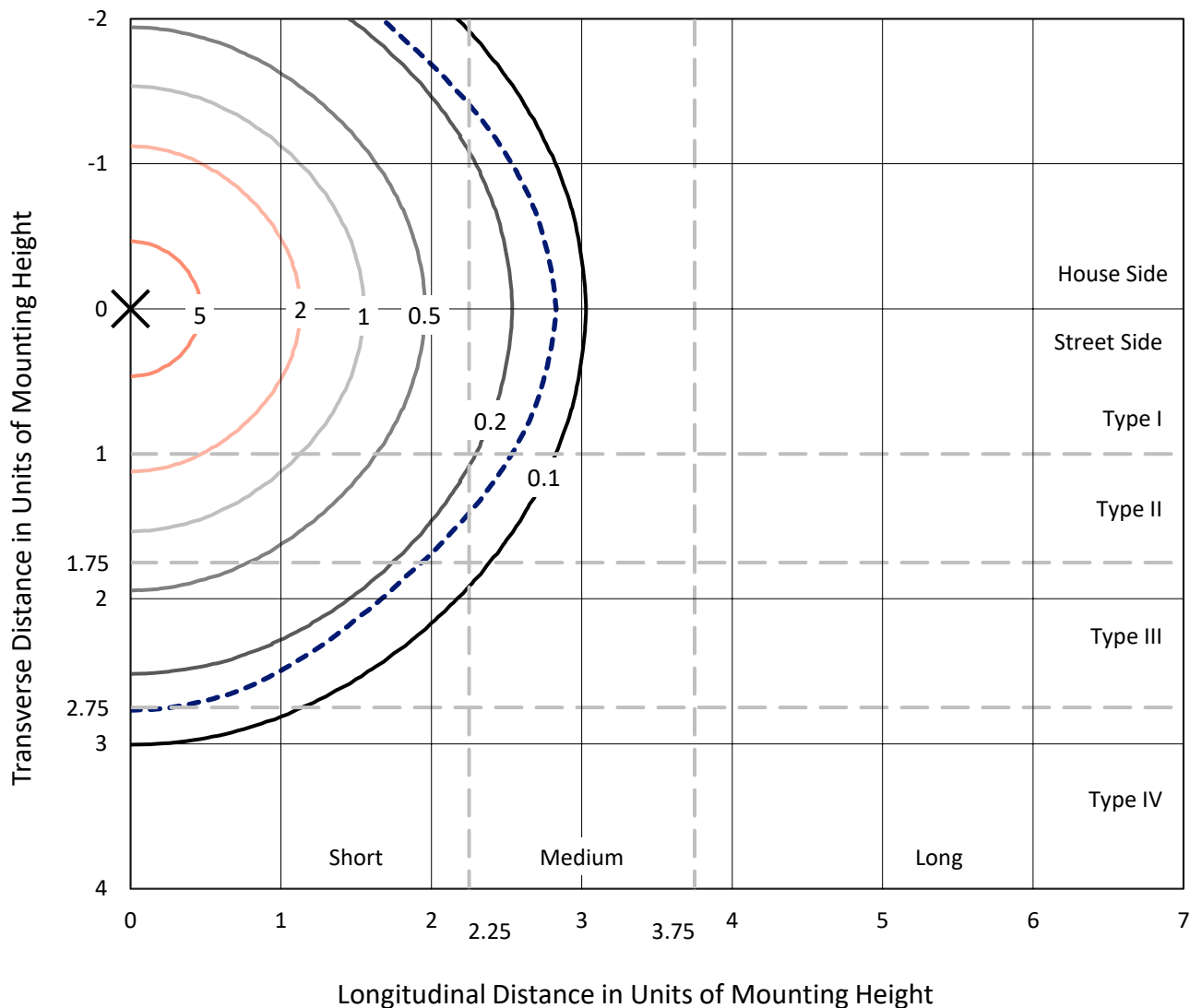
Input Watts (W): 148.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

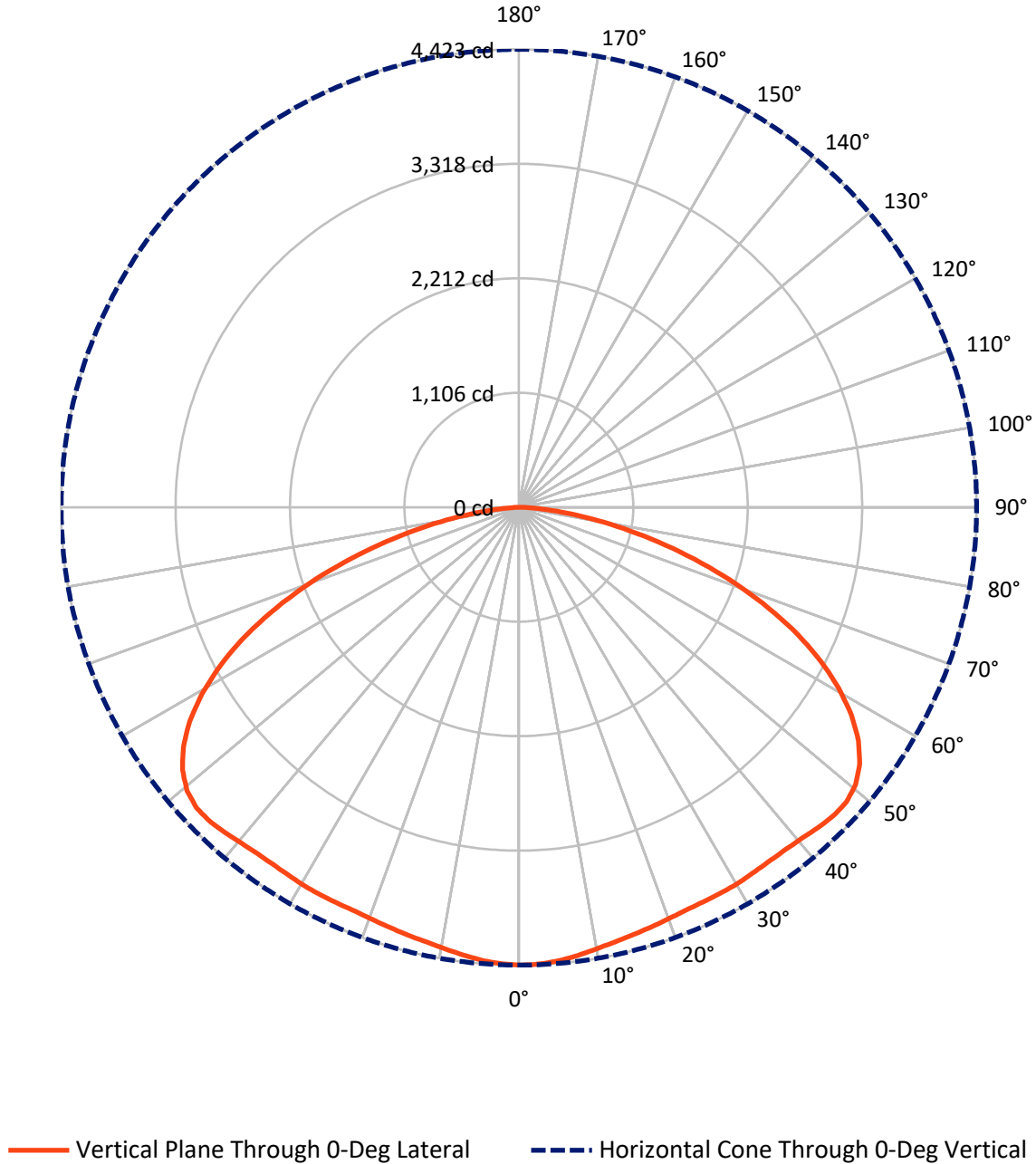
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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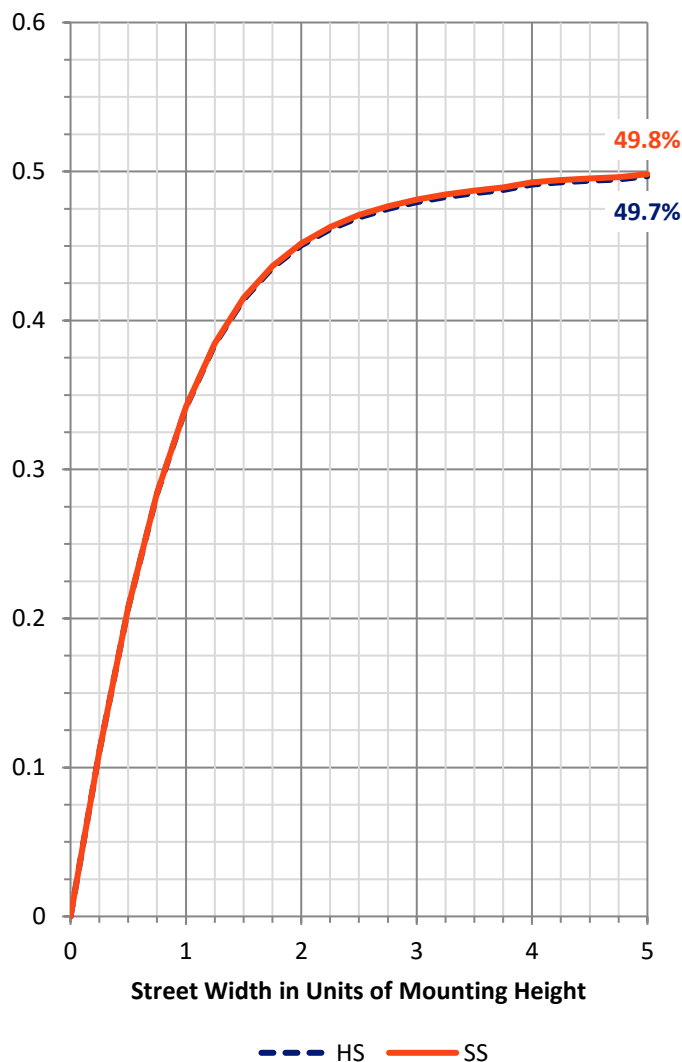
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8750.0	0.0	8750.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8750.0	0.0	8750.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17500.0	0.0	17500.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.8	2.4
10°-20°	1207.0	6.9
20°-30°	1939.8	11.1
30°-40°	2611.7	14.9
40°-50°	3231.4	18.5
50°-60°	3466.5	19.8
60°-70°	2824.9	16.1
70°-80°	1506.9	8.6
80°-90°	295.1	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°	17500.0	100.0
0°-180°	17500.0	100.0

**Coefficient of Utilization**



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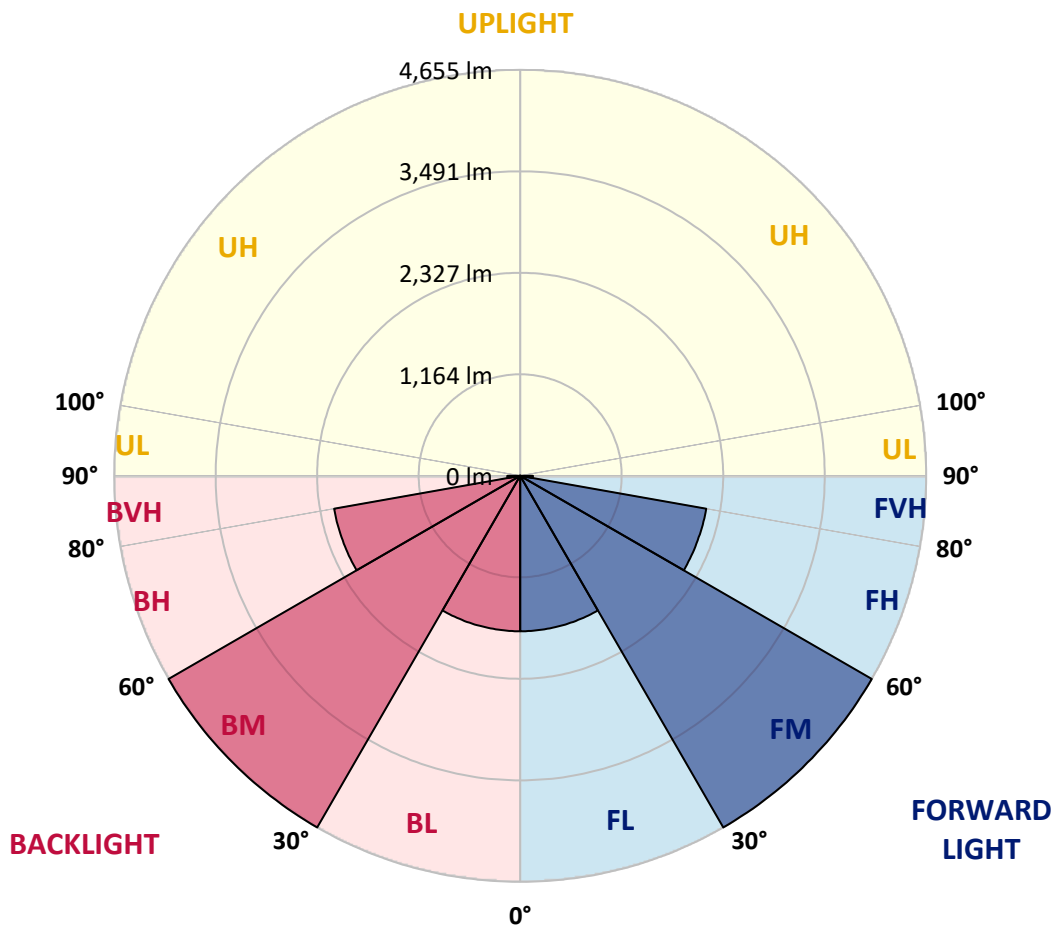
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1781.8	10.2			
FM (30°-60°)	4654.8	26.6			
FH (60°-80°)	2165.9	12.4			G2/5000
FVH (80°-90°)	147.5	0.8			G2/225
BL (0°-30°)	1781.8	10.2	B3/2500		
BM (30°-60°)	4654.8	26.6	B3/5000		
BH (60°-80°)	2165.9	12.4	B3/2500		G2/5000
BVH (80°-90°)	147.5	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°	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4	4423.4
2.5°	4415.4	4415.4	4414.6	4413.0	4410.6	4409.0	4409.8	4412.2	4414.6	4415.4	4416.2
5°	4393.0	4394.6	4392.2	4389.0	4386.6	4385.8	4385.0	4388.2	4390.6	4391.4	4392.2
7.5°	4360.1	4362.5	4360.9	4357.7	4354.5	4352.9	4352.9	4354.5	4356.9	4359.3	4359.3
10°	4324.9	4324.9	4324.1	4320.9	4317.7	4315.3	4316.1	4317.7	4320.9	4323.3	4324.1
12.5°	4293.7	4294.5	4292.1	4287.3	4282.5	4280.1	4280.1	4284.1	4288.9	4291.3	4292.9
15°	4269.7	4270.5	4268.1	4260.9	4255.3	4253.7	4255.3	4258.5	4263.3	4266.5	4267.3
17.5°	4247.2	4248.1	4244.8	4236.8	4232.0	4229.6	4229.6	4234.4	4240.8	4243.2	4244.0
20°	4226.4	4225.6	4221.6	4212.8	4206.4	4203.2	4204.8	4211.2	4219.2	4223.2	4223.2
22.5°	4211.2	4210.4	4204.8	4195.2	4188.0	4182.4	4185.6	4193.6	4203.2	4210.4	4210.4
25°	4208.0	4206.4	4197.6	4186.4	4174.4	4169.6	4174.4	4185.6	4197.6	4206.4	4208.0
27.5°	4207.2	4204.8	4195.2	4180.0	4168.0	4164.0	4168.0	4181.6	4196.8	4207.2	4208.0
30°	4203.2	4201.6	4188.8	4172.0	4157.6	4152.8	4158.4	4173.6	4190.4	4200.0	4202.4
32.5°	4193.6	4191.2	4178.4	4159.2	4143.2	4136.8	4142.4	4160.0	4176.8	4190.4	4192.0
35°	4188.8	4187.2	4171.2	4147.2	4128.8	4119.2	4127.2	4145.6	4165.6	4181.6	4184.0
37.5°	4192.8	4190.4	4172.8	4144.8	4120.0	4109.5	4116.7	4138.4	4163.2	4181.6	4184.8
40°	4208.0	4204.8	4183.2	4149.6	4117.6	4105.5	4114.3	4141.6	4173.6	4194.4	4200.0
42.5°	4234.4	4231.2	4202.4	4160.0	4120.0	4105.5	4120.0	4156.0	4197.6	4224.8	4228.8
45°	4256.9	4253.7	4220.8	4168.8	4123.2	4106.3	4126.4	4175.2	4230.4	4266.5	4271.3
47.5°	4258.5	4253.7	4214.4	4156.0	4104.7	4089.5	4119.2	4180.0	4249.7	4296.1	4301.7
50°	4216.8	4212.0	4165.6	4100.7	4046.3	4031.9	4076.7	4152.0	4233.6	4286.5	4293.7
52.5°	4124.0	4119.2	4070.3	3997.5	3939.8	3928.6	3983.8	4069.5	4158.4	4217.6	4225.6
55°	3981.4	3974.2	3926.2	3846.9	3782.1	3776.5	3834.1	3925.4	4021.5	4079.1	4092.7
57.5°	3790.9	3782.9	3731.7	3646.8	3582.7	3575.5	3634.0	3727.7	3829.3	3884.6	3899.0
60°	3551.5	3550.7	3493.1	3407.4	3346.6	3336.2	3388.2	3484.3	3582.7	3641.2	3654.8
62.5°	3274.5	3274.5	3216.9	3140.0	3071.1	3060.7	3109.6	3204.1	3295.3	3353.0	3370.6
65°	2959.1	2952.7	2908.6	2828.6	2759.7	2751.7	2799.7	2875.0	2968.7	3023.1	3039.9
67.5°	2607.6	2600.4	2569.2	2493.1	2433.9	2417.0	2457.9	2534.7	2616.4	2669.2	2680.5
70°	2232.9	2229.7	2197.7	2129.6	2074.4	2061.6	2099.2	2164.9	2233.7	2276.9	2295.4
72.5°	1847.8	1849.4	1815.8	1759.7	1721.3	1708.5	1733.3	1779.0	1855.8	1883.8	1899.1
75°	1467.5	1465.9	1445.1	1397.1	1361.0	1345.0	1370.6	1415.5	1451.5	1487.5	1505.2
77.5°	1102.4	1100.0	1088.8	1048.8	1024.8	1012.8	1026.4	1057.6	1088.0	1119.3	1124.1
80°	765.4	766.2	753.4	728.6	702.9	701.3	712.5	728.6	753.4	774.2	777.4
82.5°	467.6	469.2	458.8	449.1	427.5	427.5	435.5	449.9	462.8	479.6	474.8
85°	222.6	222.6	220.2	212.2	205.0	202.6	206.6	212.2	217.8	225.8	226.6
87.5°	54.4	55.2	56.0	52.8	48.8	47.2	49.6	52.0	55.2	60.0	57.6
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)