

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: P383356

Luminaire Tested: **GLEON-SA6D-735-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6D-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45535 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

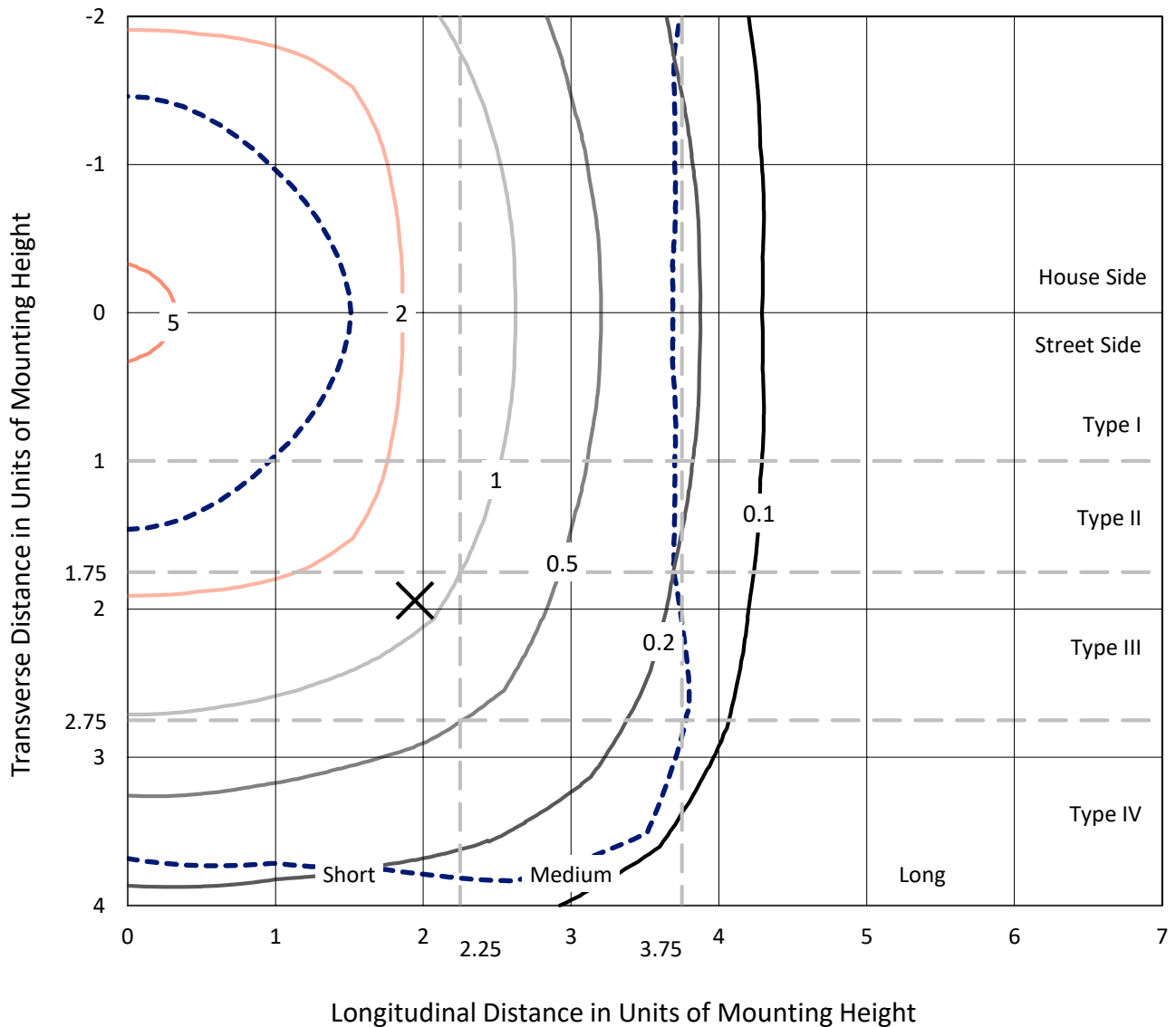
Input Watts (W): 382  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

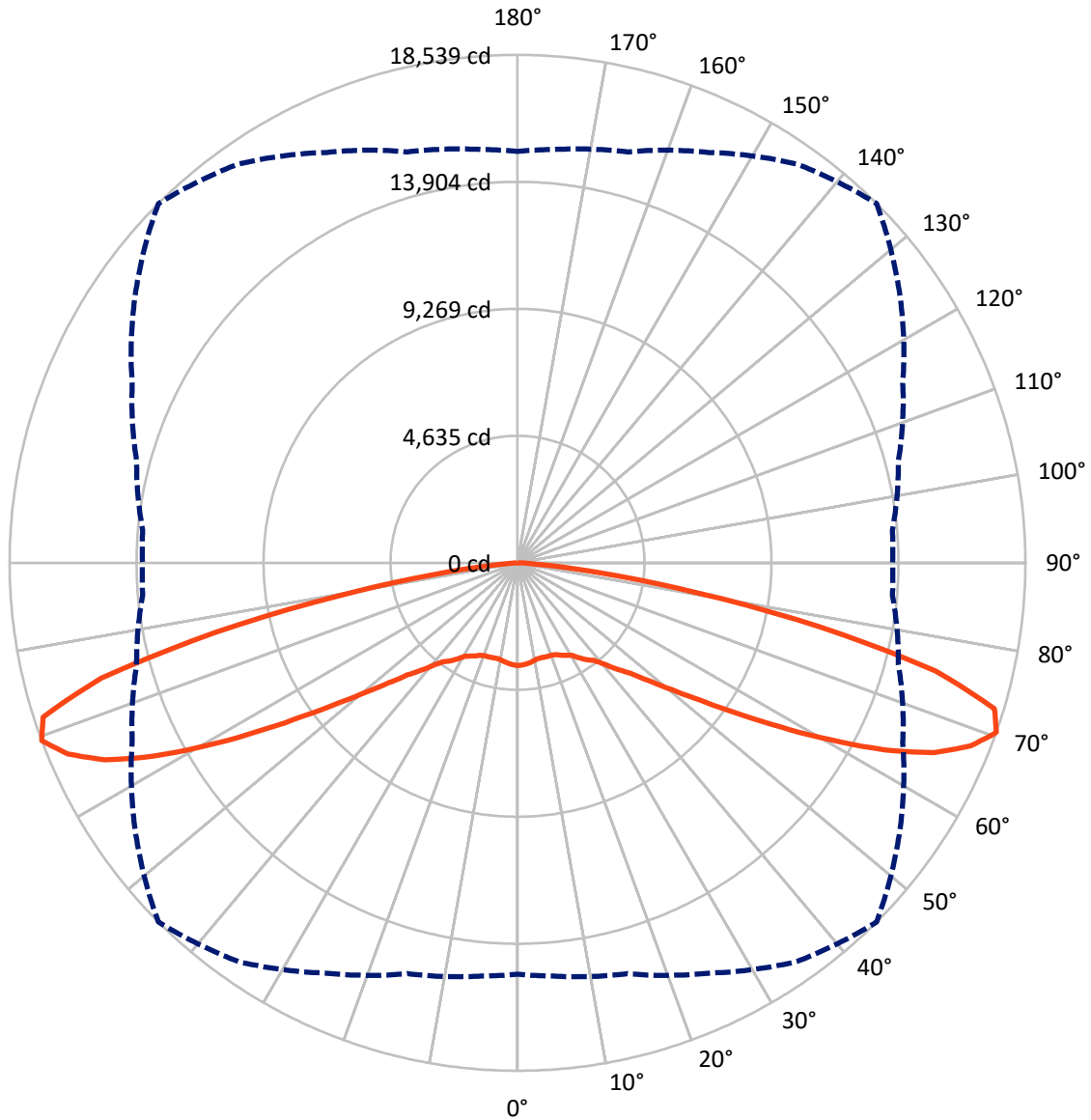
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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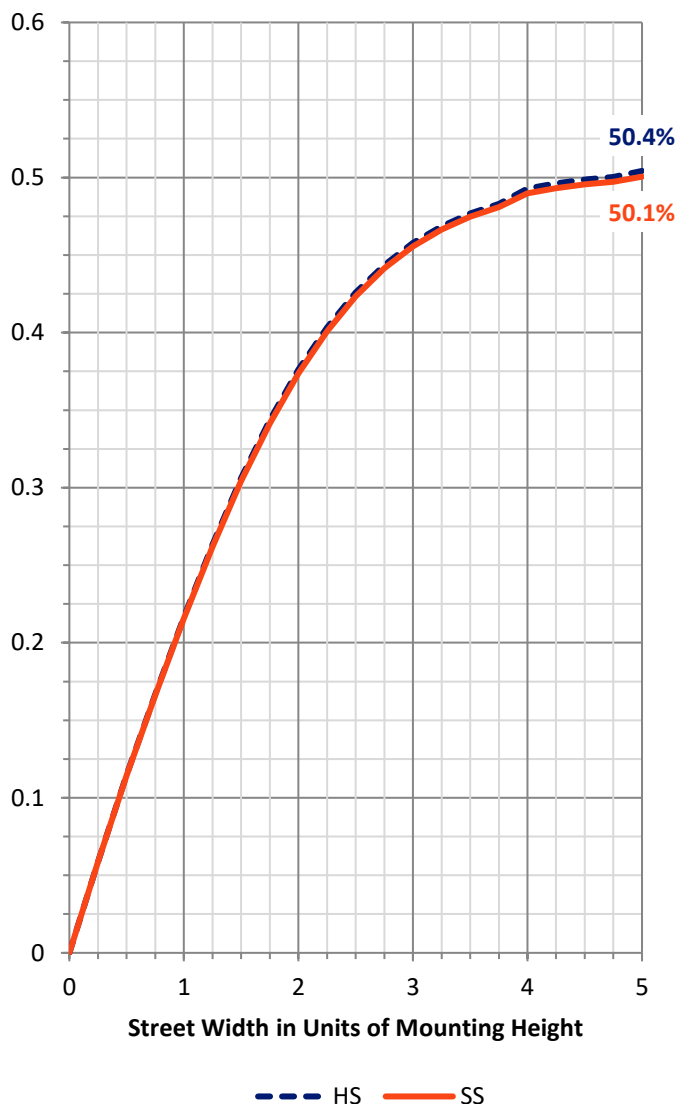
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22767.5	0.0	22767.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22767.5	0.0	22767.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	45535.0	0.0	45535.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.8	0.8
10°-20°	1021.7	2.2
20°-30°	1741.9	3.8
30°-40°	2721.8	6.0
40°-50°	4612.9	10.1
50°-60°	8412.0	18.5
60°-70°	14481.8	31.8
70°-80°	11351.4	24.9
80°-90°	841.7	1.8
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°	45535.0	100.0
0°-180°	45535.0	100.0

**Coefficient of Utilization**



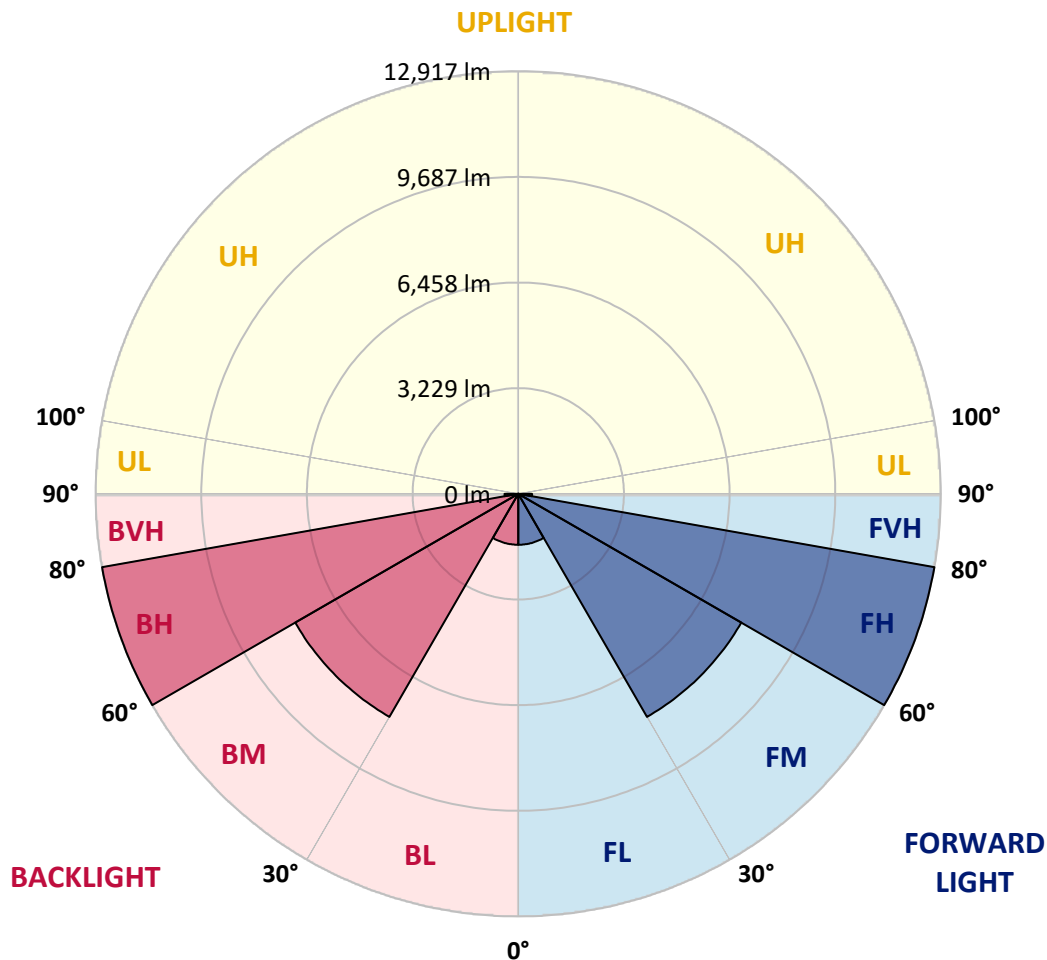
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1556.7	3.4			
FM (30°-60°)	7873.4	17.3			
FH (60°-80°)	12916.6	28.4			G5
FVH (80°-90°)	420.8	0.9			G3/500
BL (0°-30°)	1556.7	3.4	B3/2500		
BM (30°-60°)	7873.4	17.3	B4/8500		
BH (60°-80°)	12916.6	28.4	B5		G5
BVH (80°-90°)	420.8	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5	3747.5
2.5°	3730.9	3735.5	3730.9	3734.0	3726.5	3729.5	3729.5	3729.5	3728.0	3729.5	3726.5
5°	3697.9	3700.9	3694.8	3697.9	3693.3	3697.9	3699.4	3697.9	3694.8	3696.3	3690.3
7.5°	3648.1	3651.1	3646.6	3651.1	3645.1	3652.6	3651.1	3646.6	3642.1	3642.1	3636.1
10°	3621.0	3622.5	3610.5	3605.9	3592.4	3595.4	3600.0	3604.4	3609.0	3618.0	3616.5
12.5°	3622.5	3622.5	3604.4	3584.9	3565.3	3569.8	3577.3	3593.9	3612.0	3628.6	3630.1
15°	3637.6	3636.1	3609.0	3577.3	3563.7	3577.3	3581.9	3592.4	3621.0	3649.6	3651.1
17.5°	3648.1	3648.1	3605.9	3569.8	3568.3	3589.3	3587.9	3592.4	3624.0	3666.2	3667.7
20°	3667.7	3667.7	3613.5	3574.3	3574.3	3596.9	3598.4	3605.9	3637.6	3684.3	3691.8
22.5°	3711.4	3712.9	3655.7	3624.0	3627.1	3640.6	3645.1	3657.2	3685.8	3737.0	3746.0
25°	3773.1	3776.1	3717.4	3699.4	3709.9	3735.5	3732.4	3741.5	3773.1	3822.9	3831.9
27.5°	3859.0	3851.5	3797.3	3789.7	3800.2	3818.3	3816.8	3818.3	3843.9	3889.1	3899.6
30°	3970.4	3967.5	3928.2	3932.8	3928.2	3922.3	3923.8	3935.8	3949.4	3985.5	3996.1
32.5°	4078.9	4081.9	4057.8	4080.5	4113.5	4136.2	4101.5	4068.3	4053.3	4072.9	4081.9
35°	4274.7	4282.2	4244.6	4229.5	4274.7	4341.0	4243.1	4188.9	4219.0	4244.6	4252.1
37.5°	4607.6	4612.1	4548.8	4488.6	4455.5	4518.8	4420.8	4425.3	4530.8	4579.0	4577.4
40°	4987.1	4988.7	4946.5	4893.8	4836.6	4851.6	4812.5	4824.5	4893.8	4937.5	4949.5
42.5°	5439.0	5434.6	5368.2	5293.0	5276.4	5291.5	5225.1	5216.1	5295.9	5374.3	5375.8
45°	6025.0	6014.4	5928.6	5845.7	5765.9	5732.7	5716.2	5759.9	5869.9	5942.2	5943.6
47.5°	6656.1	6627.5	6582.3	6516.0	6446.7	6413.6	6386.5	6407.6	6487.4	6516.0	6519.1
50°	7305.3	7311.3	7320.4	7294.8	7269.1	7258.6	7187.8	7147.1	7171.2	7118.5	7111.0
52.5°	8074.9	8087.0	8174.4	8248.2	8291.9	8314.4	8180.4	8040.4	7962.0	7859.6	7829.5
55°	8983.2	9002.8	9130.8	9335.7	9546.6	9658.0	9415.5	9153.5	8910.9	8719.7	8657.9
57.5°	9995.4	10030.1	10206.3	10599.4	11031.8	11295.3	10885.6	10409.7	9941.2	9665.6	9617.4
60°	11182.4	11215.5	11459.5	12022.8	12723.3	13119.4	12498.9	11720.1	11137.2	10873.6	10784.7
62.5°	12595.2	12598.2	12897.9	13556.2	14481.0	15032.3	14191.8	13151.0	12550.0	12232.2	12146.4
65°	14115.0	14122.5	14432.8	15143.8	16100.2	16699.8	15750.8	14666.3	13931.3	13462.8	13396.5
67.5°	15189.0	15220.6	15547.4	16403.0	17297.7	17838.5	16856.4	15630.3	14780.8	14221.9	14166.2
70°	15017.3	15140.7	15524.9	16523.5	17767.7	18538.8	17035.6	15515.9	14395.2	13735.5	13688.7
72.5°	13096.8	13333.2	13845.4	15155.8	17145.6	18207.5	16058.1	13896.6	12628.3	12066.5	11982.1
75°	8918.5	9302.5	10075.2	11965.6	14648.2	15764.4	13518.5	11079.9	9887.0	9109.8	9052.5
77.5°	3976.5	4063.9	5042.9	7219.4	10108.4	11320.9	9822.2	7248.1	5440.5	4339.5	4107.6
80°	1108.6	1122.1	1497.2	2688.6	5059.5	6651.5	5431.5	2824.2	1587.5	1119.2	1054.3
82.5°	352.5	382.6	466.9	697.4	1700.5	3035.1	1745.7	753.2	536.2	427.8	385.6
85°	171.7	170.2	236.5	283.2	433.8	671.7	462.4	349.4	305.7	203.4	183.8
87.5°	72.3	73.8	109.9	99.4	126.5	108.4	149.1	156.7	164.1	90.4	78.3
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)