

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: P383695

Luminaire Tested: **GLEON-SA9D-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA9D-735-U-RW  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66053.2 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

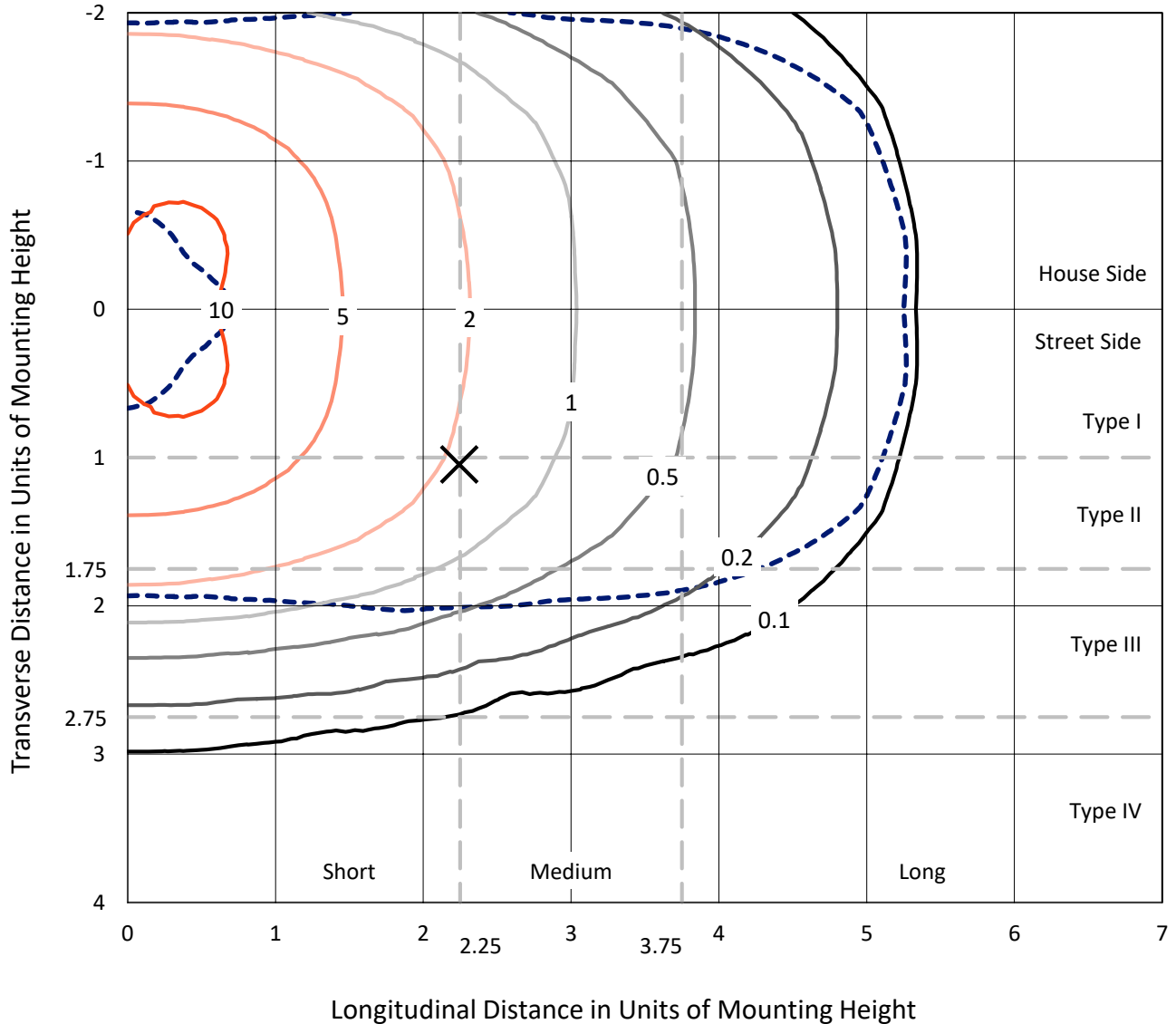
Input Watts (W): 575  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

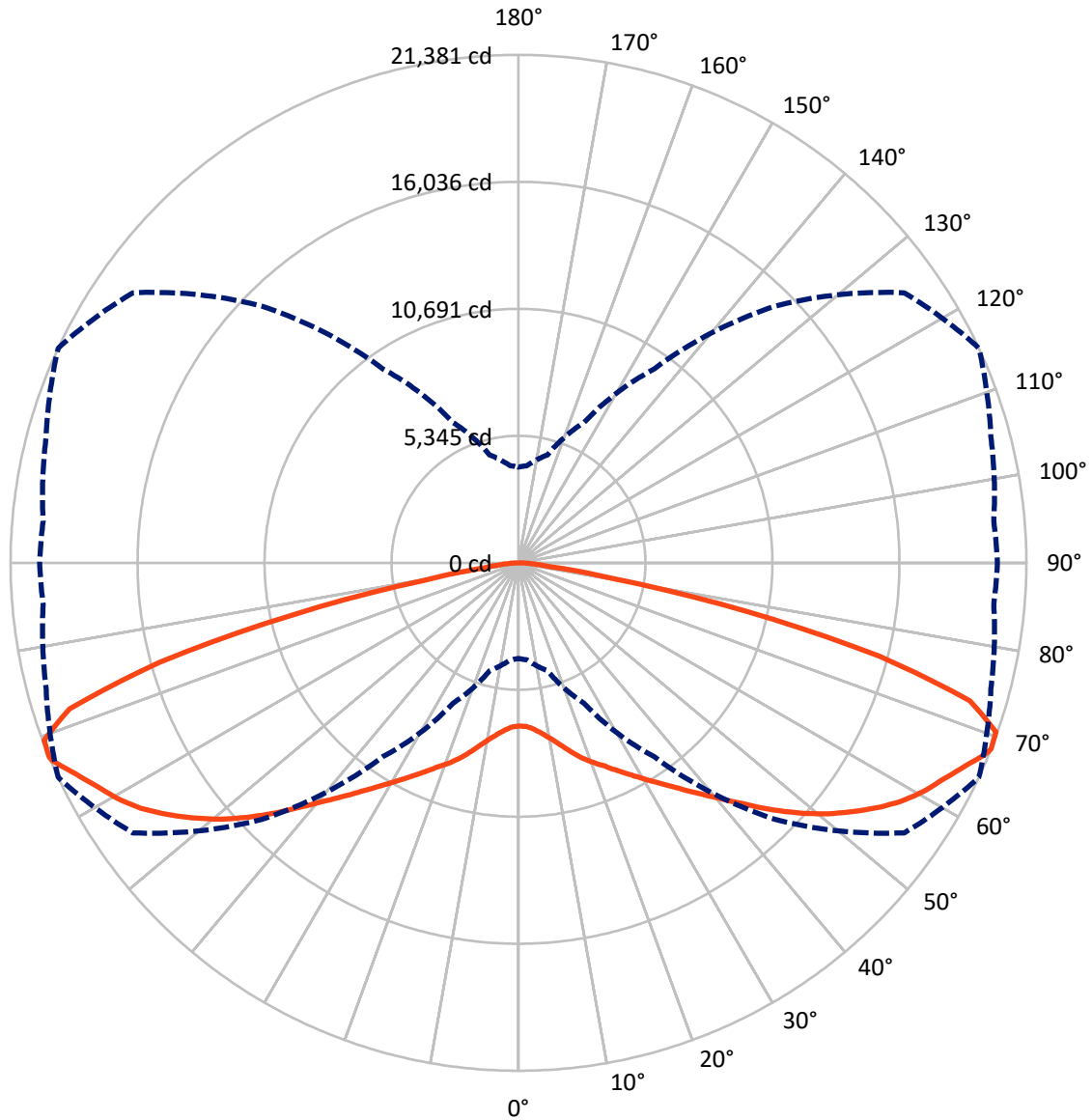
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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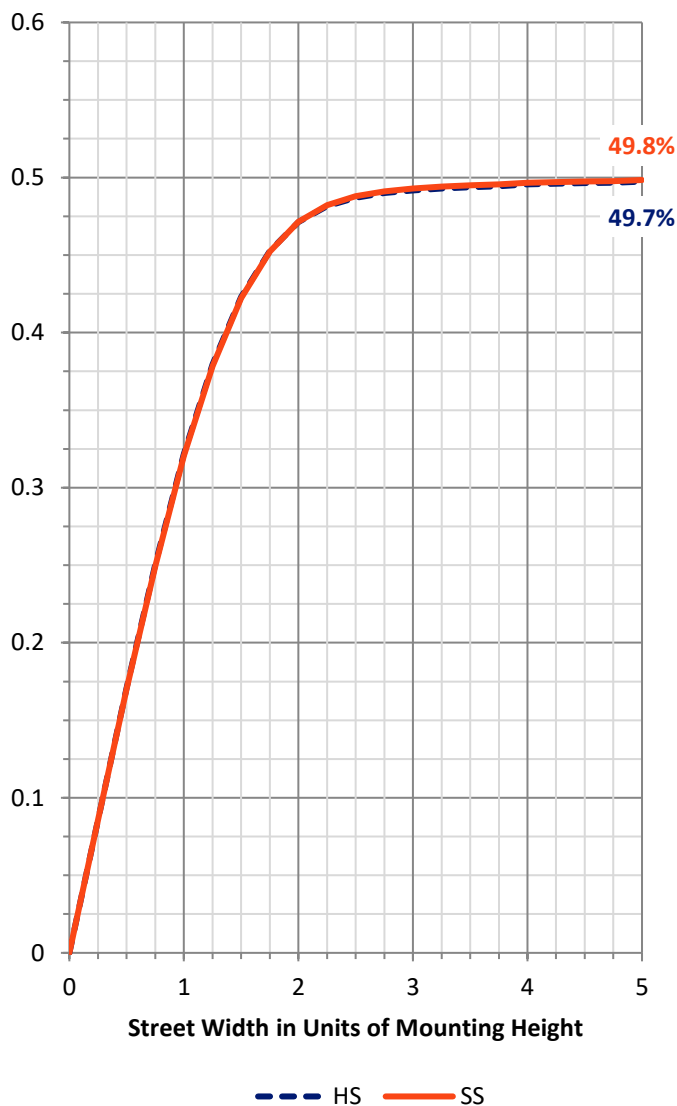
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	33026.6	0.0	33026.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33026.6	0.0	33026.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	66053.2	0.0	66053.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	672.4	1.0
10°-20°	2251.5	3.4
20°-30°	4390.0	6.6
30°-40°	7374.8	11.2
40°-50°	11620.1	17.6
50°-60°	15539.9	23.5
60°-70°	15106.7	22.9
70°-80°	8258.1	12.5
80°-90°	839.9	1.3
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°	66053.2	100.0
0°-180°	66053.2	100.0

**Coefficient of Utilization**



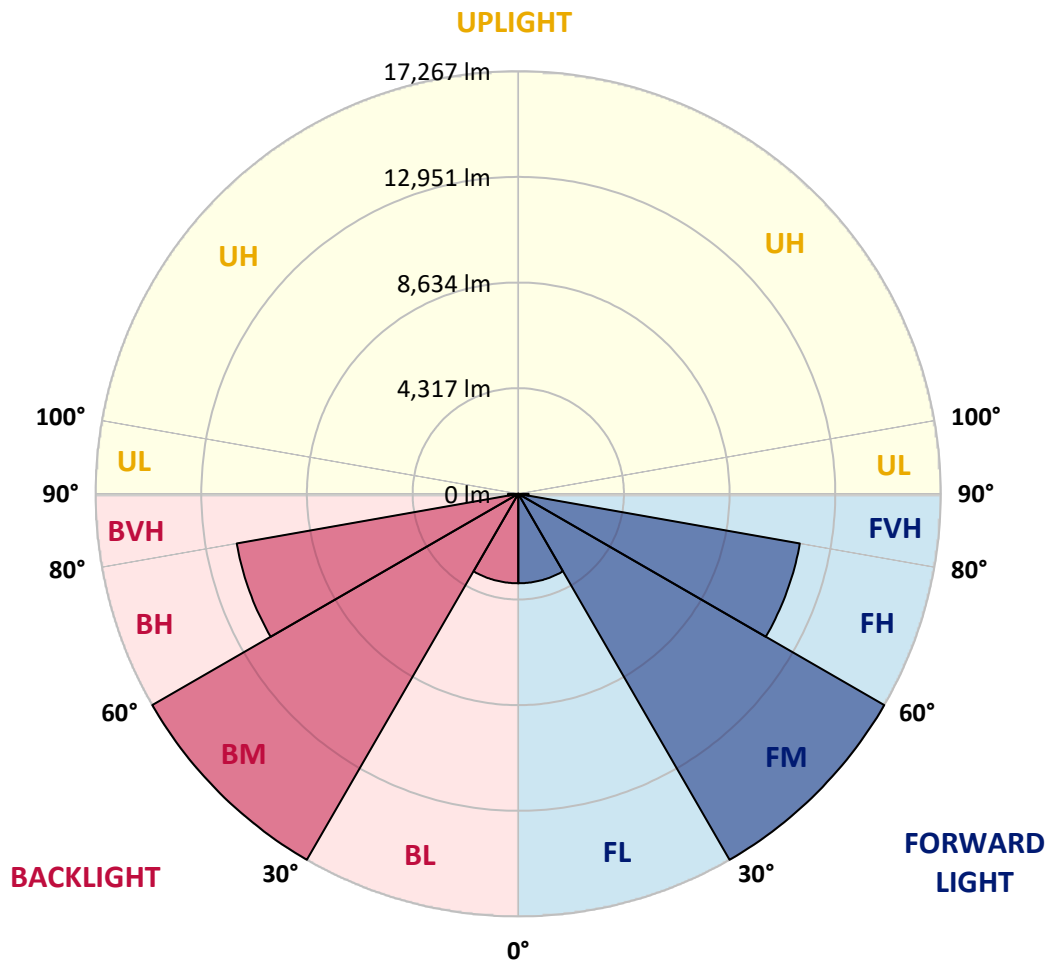
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3657.0	5.5			
FM (30°-60°)	17267.4	26.1			
FH (60°-80°)	11682.4	17.7			G4/12000
FVH (80°-90°)	419.9	0.6			G3/500
BL (0°-30°)	3657.0	5.5	B4/5000		
BM (30°-60°)	17267.4	26.1	B5		
BH (60°-80°)	11682.4	17.7	B5		G5
BVH (80°-90°)	419.9	0.6			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0	6868.0
2.5°	6819.3	6821.4	6832.5	6845.9	6856.9	6885.7	6892.3	6903.4	6907.9	6918.9	6918.9
5°	6759.5	6763.9	6790.4	6825.9	6865.8	6936.7	6987.5	7045.2	7074.0	7105.0	7102.8
7.5°	6752.8	6763.9	6801.5	6859.1	6925.6	7043.0	7149.3	7264.4	7341.9	7412.8	7408.4
10°	6821.4	6839.2	6892.3	6978.7	7078.4	7224.5	7381.8	7536.9	7671.9	7780.5	7784.9
12.5°	6925.6	6947.7	7031.9	7162.6	7313.1	7501.4	7687.4	7862.4	8048.5	8210.1	8223.4
15°	7062.9	7091.7	7217.9	7412.8	7643.2	7866.8	8066.2	8245.6	8460.4	8684.1	8706.2
17.5°	7266.6	7306.5	7472.6	7736.1	8039.6	8285.5	8493.7	8628.7	8808.2	9038.4	9080.5
20°	7576.7	7627.6	7838.0	8152.5	8522.4	8779.4	8938.8	8967.5	9056.1	9262.1	9310.9
22.5°	7979.8	8024.1	8258.8	8633.1	9047.3	9326.4	9410.5	9295.4	9286.5	9452.6	9499.1
25°	8429.4	8469.3	8741.6	9162.5	9607.6	9915.5	9913.3	9689.6	9534.6	9663.0	9711.8
27.5°	8934.4	8996.3	9257.7	9700.7	10176.9	10480.3	10462.6	10117.1	9822.5	9855.7	9897.8
30°	9514.6	9583.3	9838.0	10287.5	10763.8	11060.5	11038.4	10582.1	10139.2	10050.6	10081.6
32.5°	10234.4	10316.3	10557.8	11000.7	11421.5	11689.5	11625.3	11087.1	10520.2	10327.4	10356.2
35°	11100.4	11149.1	11403.8	11840.2	12181.2	12365.0	12229.9	11671.8	11003.0	10770.4	10770.4
37.5°	11977.5	12015.1	12300.8	12723.8	13053.8	13151.3	12887.7	12311.9	11634.2	11304.1	11310.8
40°	12819.0	12920.9	13242.0	13676.1	14001.7	14028.4	13678.4	13042.8	12336.2	11995.2	12035.0
42.5°	13698.3	13798.0	14181.1	14672.8	14960.7	15005.0	14595.3	13862.2	13129.1	12852.3	12896.5
45°	14482.3	14562.0	15005.0	15576.4	15935.2	16050.4	15565.3	14801.3	13986.3	13716.0	13727.1
47.5°	15029.4	15133.5	15620.7	16294.0	16816.7	16993.9	16517.7	15716.0	14830.1	14502.2	14531.0
50°	15525.5	15580.9	16074.8	16810.1	17474.5	17839.9	17432.4	16619.6	15682.8	15335.0	15366.1
52.5°	15802.3	15873.2	16351.6	17117.9	17904.2	18493.3	18245.2	17432.4	16506.7	16167.8	16205.4
55°	15609.7	15662.9	16236.4	17186.6	18169.9	18896.3	18934.0	18227.5	17315.0	17018.3	17124.5
57.5°	14732.6	14799.0	15498.9	16743.6	18203.2	19168.8	19452.3	18965.0	18070.3	17828.9	17890.8
60°	13361.7	13403.8	14150.1	15549.9	17556.4	19281.7	19782.3	19567.4	18810.0	18568.5	18652.8
62.5°	10918.8	10980.8	11873.3	13749.3	16189.9	18947.3	20101.2	20065.7	19498.8	19277.3	19352.6
65°	7463.7	7572.3	8560.1	10932.1	14083.7	17924.1	20391.3	20646.1	20107.8	19828.7	19928.4
67.5°	4507.0	4586.8	5302.2	7217.9	10777.1	15860.0	20092.4	21306.0	20537.6	20087.9	20169.9
68°	4028.7	4101.7	4699.8	6513.7	9968.7	15277.5	19819.9	21381.3	20584.0	20083.5	20156.5
70°	2434.0	2482.8	2883.6	4026.4	6646.5	12119.2	17961.7	21319.3	20880.8	20145.5	20187.6
72.5°	1585.8	1601.2	1667.7	2066.4	3395.2	6777.2	13481.3	19866.5	21325.9	20506.5	20499.8
75°	1317.8	1308.9	1315.5	1362.1	1674.4	2972.2	7877.9	15693.8	20329.3	19937.3	19797.8
77.5°	1114.0	1107.4	1105.2	1107.4	1120.7	1435.1	3419.6	9775.9	15556.5	17636.2	17760.2
80°	901.4	892.5	921.3	908.1	868.2	892.5	1432.9	4066.3	7333.0	7889.0	7392.9
82.5°	655.5	622.4	746.4	711.0	677.7	629.0	790.7	1313.4	1749.6	1200.4	843.8
85°	505.0	469.5	566.9	544.9	465.1	321.1	469.5	642.3	708.7	405.3	319.0
87.5°	206.0	217.1	409.7	323.3	272.4	155.0	192.6	256.9	345.5	172.7	132.9
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)