

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: P383468

Luminaire Tested: **GLEON-SA7D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383468
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-SA7D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 53850.9 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

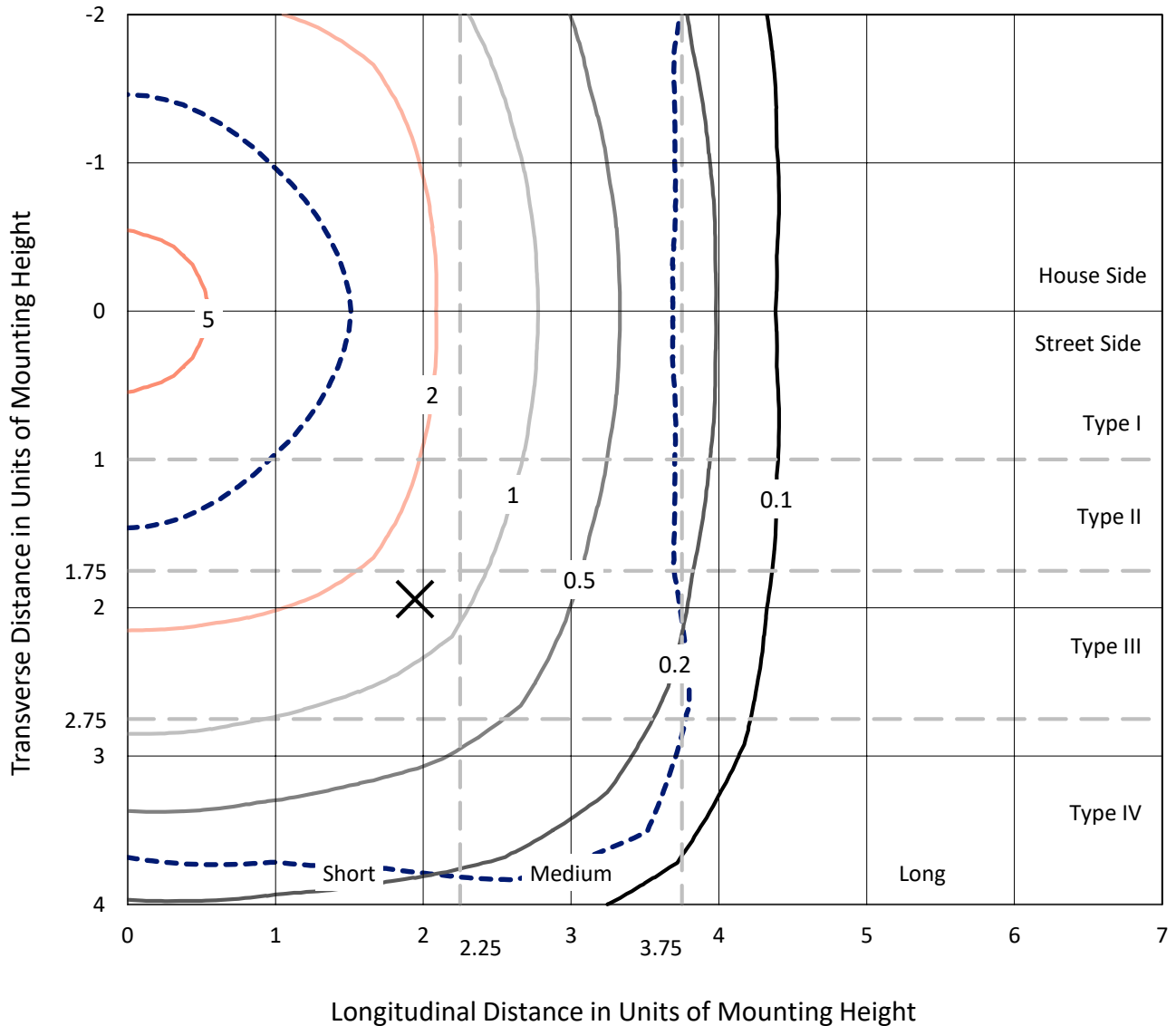
Input Watts (W): 448
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

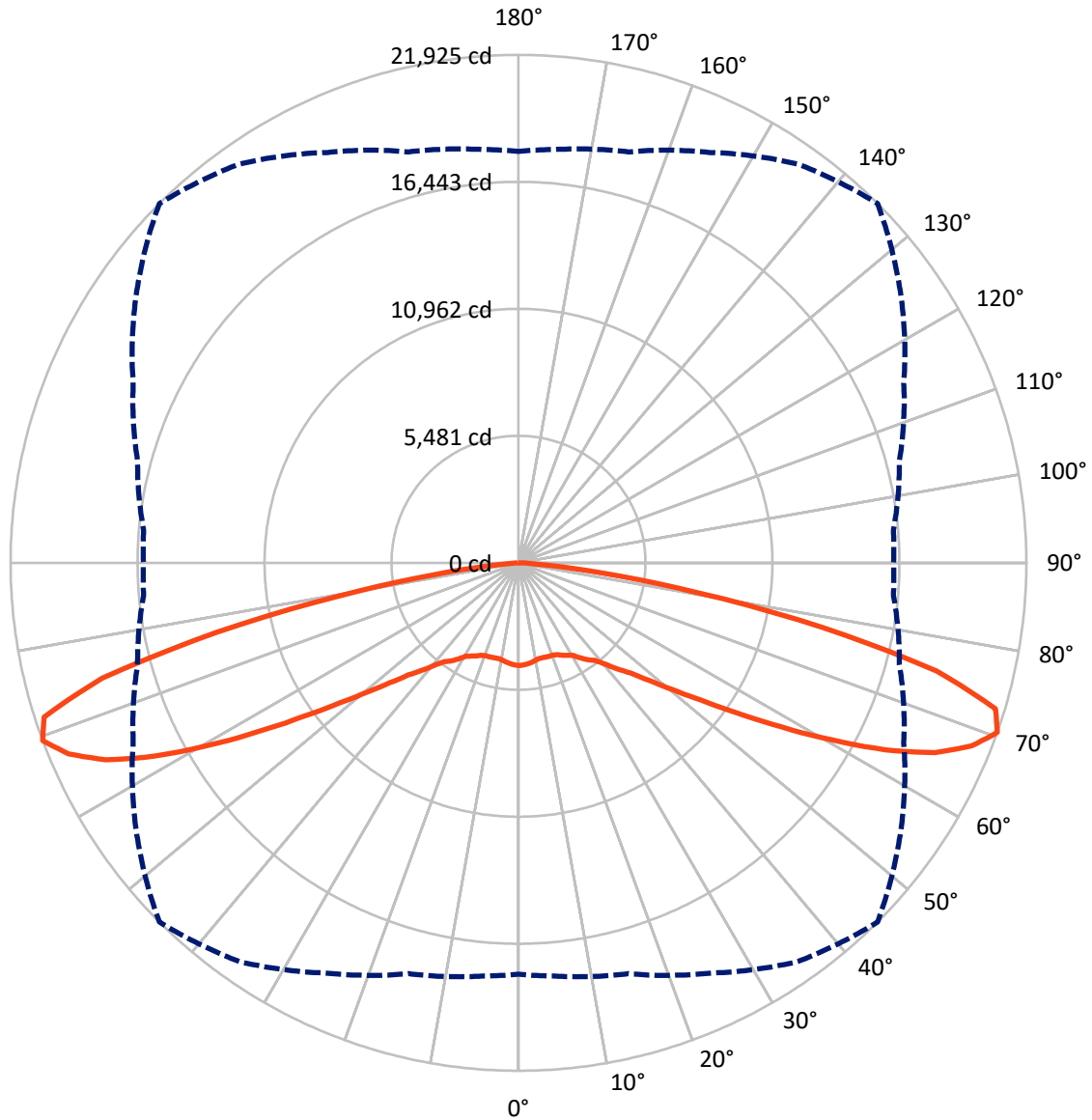
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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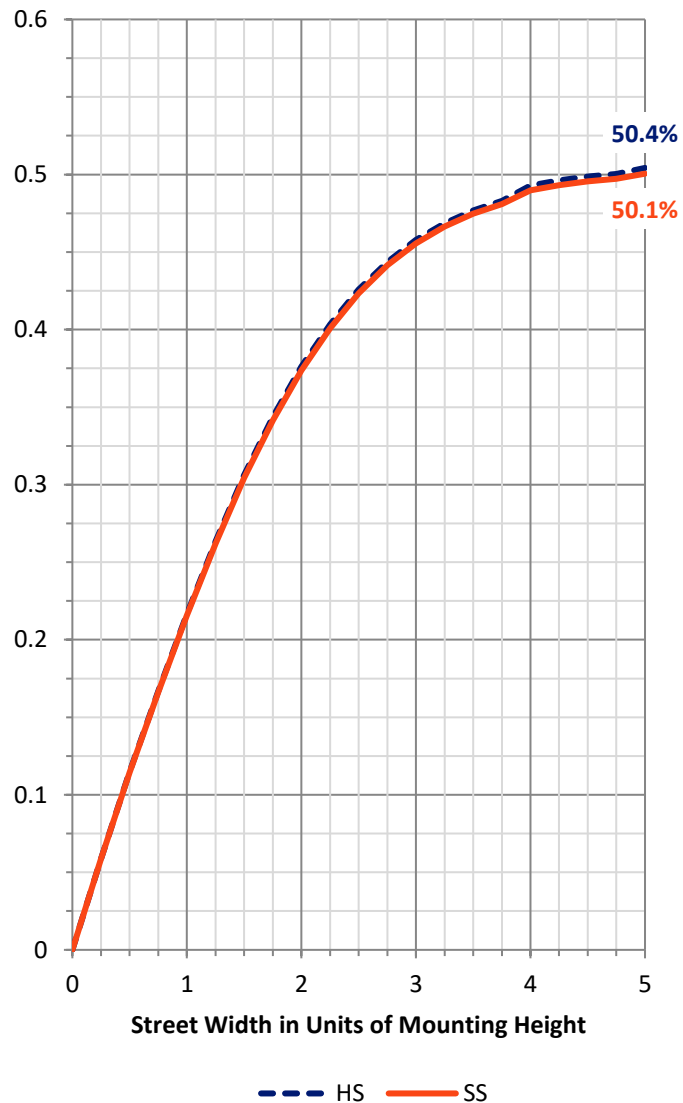
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26925.4	0.0	26925.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26925.4	0.0	26925.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	53850.9	0.0	53850.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.7	0.8
10°-20°	1208.3	2.2
20°-30°	2060.1	3.8
30°-40°	3218.9	6.0
40°-50°	5455.3	10.1
50°-60°	9948.2	18.5
60°-70°	17126.6	31.8
70°-80°	13424.4	24.9
80°-90°	995.4	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°	53850.9	100.0
0°-180°	53850.9	100.0

Coefficient of Utilization



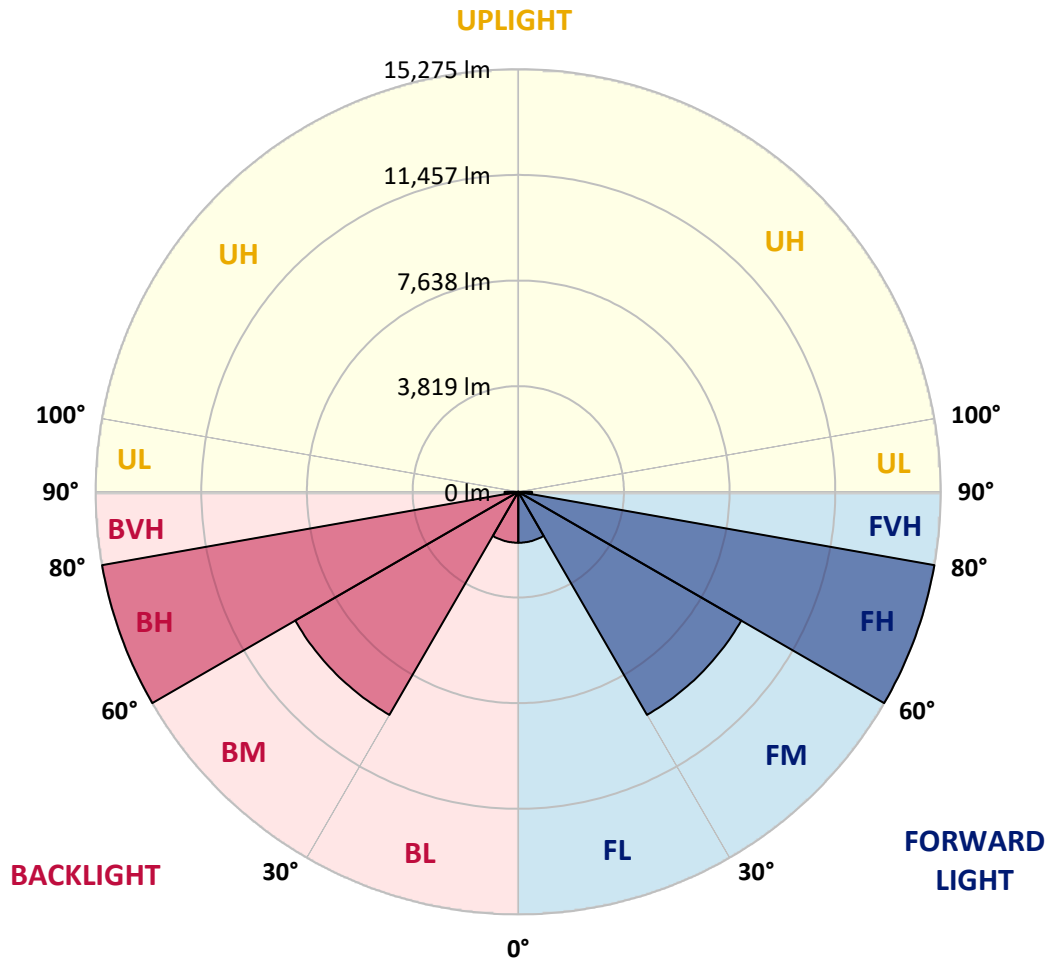
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1841.0	3.4			
FM (30°-60°)	9311.2	17.3			
FH (60°-80°)	15275.5	28.4			G5
FVH (80°-90°)	497.7	0.9			G3/500
BL (0°-30°)	1841.0	3.4	B3/2500		
BM (30°-60°)	9311.2	17.3	B5		
BH (60°-80°)	15275.5	28.4	B5		G5
BVH (80°-90°)	497.7	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°	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9	4431.9
2.5°	4412.4	4417.7	4412.4	4415.9	4407.0	4410.6	4410.6	4410.6	4408.7	4410.6	4407.0
5°	4373.2	4376.7	4369.6	4373.2	4367.8	4373.2	4374.9	4373.2	4369.6	4371.4	4364.2
7.5°	4314.4	4317.9	4312.6	4317.9	4310.8	4319.7	4317.9	4312.6	4307.3	4307.3	4300.1
10°	4282.3	4284.1	4269.8	4264.5	4248.4	4252.0	4257.4	4262.7	4268.1	4278.8	4276.9
12.5°	4284.1	4284.1	4262.7	4239.6	4216.4	4221.8	4230.6	4250.3	4271.6	4291.2	4293.0
15°	4301.9	4300.1	4268.1	4230.6	4214.6	4230.6	4236.0	4248.4	4282.3	4316.1	4317.9
17.5°	4314.4	4314.4	4264.5	4221.8	4220.0	4244.9	4243.1	4248.4	4285.9	4335.7	4337.6
20°	4337.6	4337.6	4273.4	4227.1	4227.1	4253.8	4255.6	4264.5	4301.9	4357.1	4366.1
22.5°	4389.2	4390.9	4323.3	4285.9	4289.4	4305.4	4310.8	4325.1	4358.9	4419.4	4430.2
25°	4462.2	4465.7	4396.3	4374.9	4387.4	4417.7	4414.1	4424.9	4462.2	4521.0	4531.7
27.5°	4563.7	4554.8	4490.7	4481.8	4494.3	4515.7	4513.9	4515.7	4546.0	4599.4	4611.8
30°	4695.6	4692.0	4645.7	4651.0	4645.7	4638.5	4640.3	4654.6	4670.6	4713.4	4725.8
32.5°	4823.8	4827.4	4798.9	4825.6	4864.8	4891.6	4850.6	4811.4	4793.6	4816.7	4827.4
35°	5055.4	5064.3	5019.7	5001.9	5055.4	5133.8	5018.0	4953.9	4989.5	5019.7	5028.7
37.5°	5449.1	5454.4	5379.6	5308.3	5269.2	5344.0	5228.2	5233.5	5358.3	5415.3	5413.4
40°	5898.0	5899.8	5849.8	5787.5	5719.8	5737.7	5691.3	5705.5	5787.5	5839.2	5853.5
42.5°	6432.3	6427.0	6348.7	6259.5	6240.0	6257.8	6179.4	6168.7	6263.2	6355.8	6357.5
45°	7125.3	7112.8	7011.3	6913.3	6818.9	6779.7	6760.1	6811.8	6941.8	7027.3	7029.1
47.5°	7871.7	7837.9	7784.4	7706.0	7624.1	7584.8	7552.8	7577.8	7672.1	7706.0	7709.6
50°	8639.5	8646.5	8657.2	8627.0	8596.7	8584.2	8500.5	8452.4	8480.9	8418.6	8409.6
52.5°	9549.7	9563.9	9667.2	9754.5	9806.2	9833.0	9674.4	9508.7	9416.1	9295.0	9259.3
55°	10623.8	10646.9	10798.4	11040.6	11290.1	11421.9	11135.1	10825.1	10538.3	10312.0	10239.0
57.5°	11820.9	11861.9	12070.2	12535.2	13046.4	13358.1	12873.6	12310.8	11756.8	11430.7	11373.7
60°	13224.5	13263.7	13552.3	14218.5	15046.8	15515.3	14781.4	13860.5	13171.2	12859.4	12754.3
62.5°	14895.4	14899.0	15253.5	16031.9	17125.7	17777.7	16783.6	15552.7	14842.0	14466.1	14364.7
65°	16692.8	16701.7	17068.7	17909.5	19040.6	19749.6	18627.3	17344.8	16475.4	15921.5	15843.1
67.5°	17962.8	18000.3	18386.8	19398.6	20456.7	21096.2	19934.8	18484.8	17480.1	16819.3	16753.3
70°	17759.8	17905.8	18360.2	19541.2	21012.5	21924.5	20146.8	18349.4	17024.1	16243.9	16188.7
72.5°	15488.7	15768.3	16373.9	17923.7	20276.8	21532.6	18990.7	16434.5	14934.7	14270.2	14170.4
75°	10547.3	11001.5	11915.2	14150.9	17323.4	18643.3	15987.4	13103.4	11692.6	10773.4	10705.7
77.5°	4702.7	4806.0	5963.9	8537.9	11954.5	13388.5	11616.0	8571.7	6434.1	5132.0	4857.6
80°	1311.1	1327.1	1770.6	3179.7	5983.5	7866.4	6423.5	3340.0	1877.5	1323.5	1247.0
82.5°	416.9	452.5	552.2	824.8	2011.1	3589.3	2064.6	890.7	634.2	505.9	456.0
85°	203.1	201.3	279.7	334.9	513.0	794.5	546.9	413.2	361.6	240.4	217.3
87.5°	85.5	87.3	130.0	117.6	149.6	128.3	176.3	185.3	194.1	106.8	92.6
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)