

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: P383275

Luminaire Tested: **GLEON-SA6A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383275
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-SA6A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26540.7 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

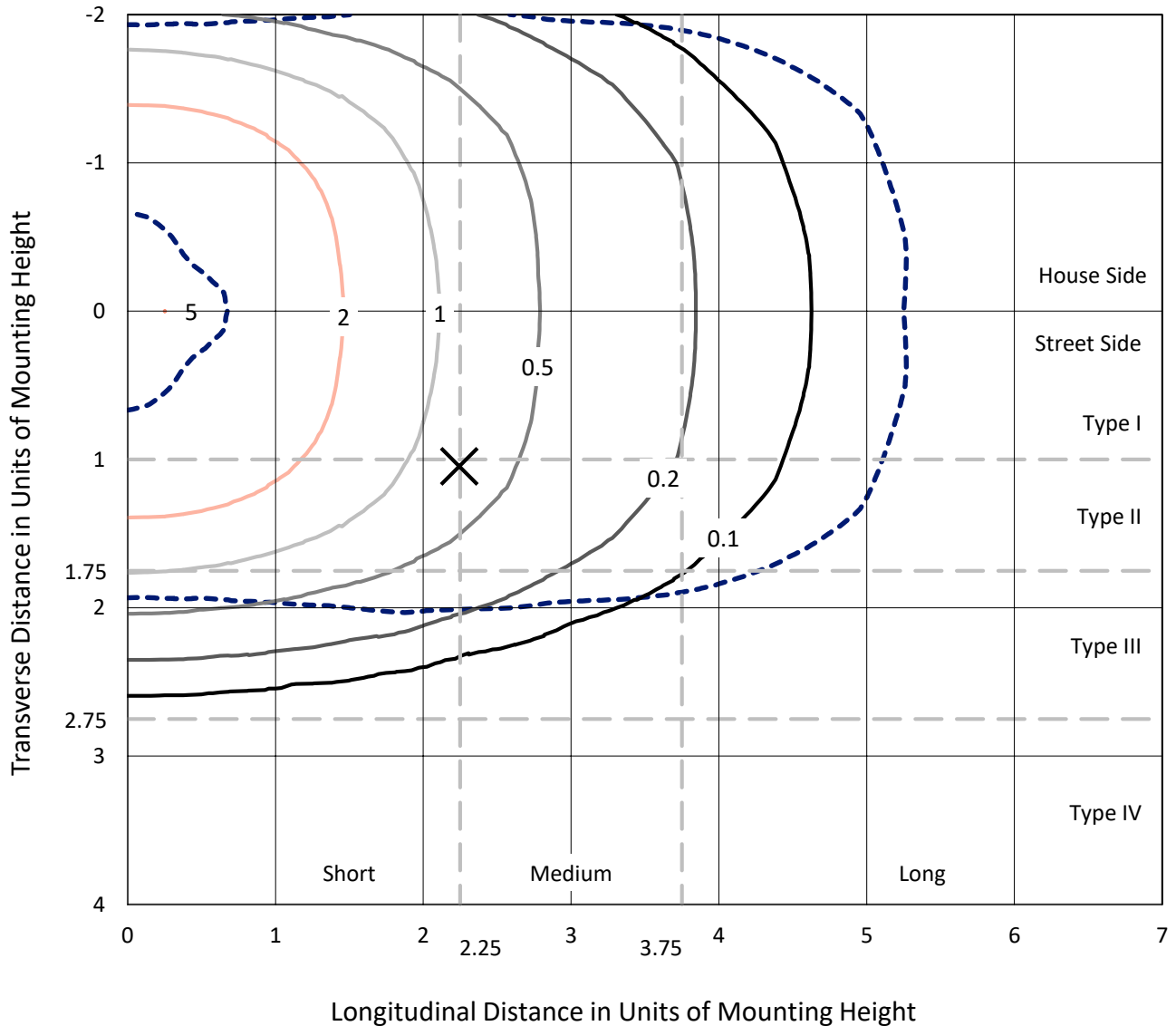
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

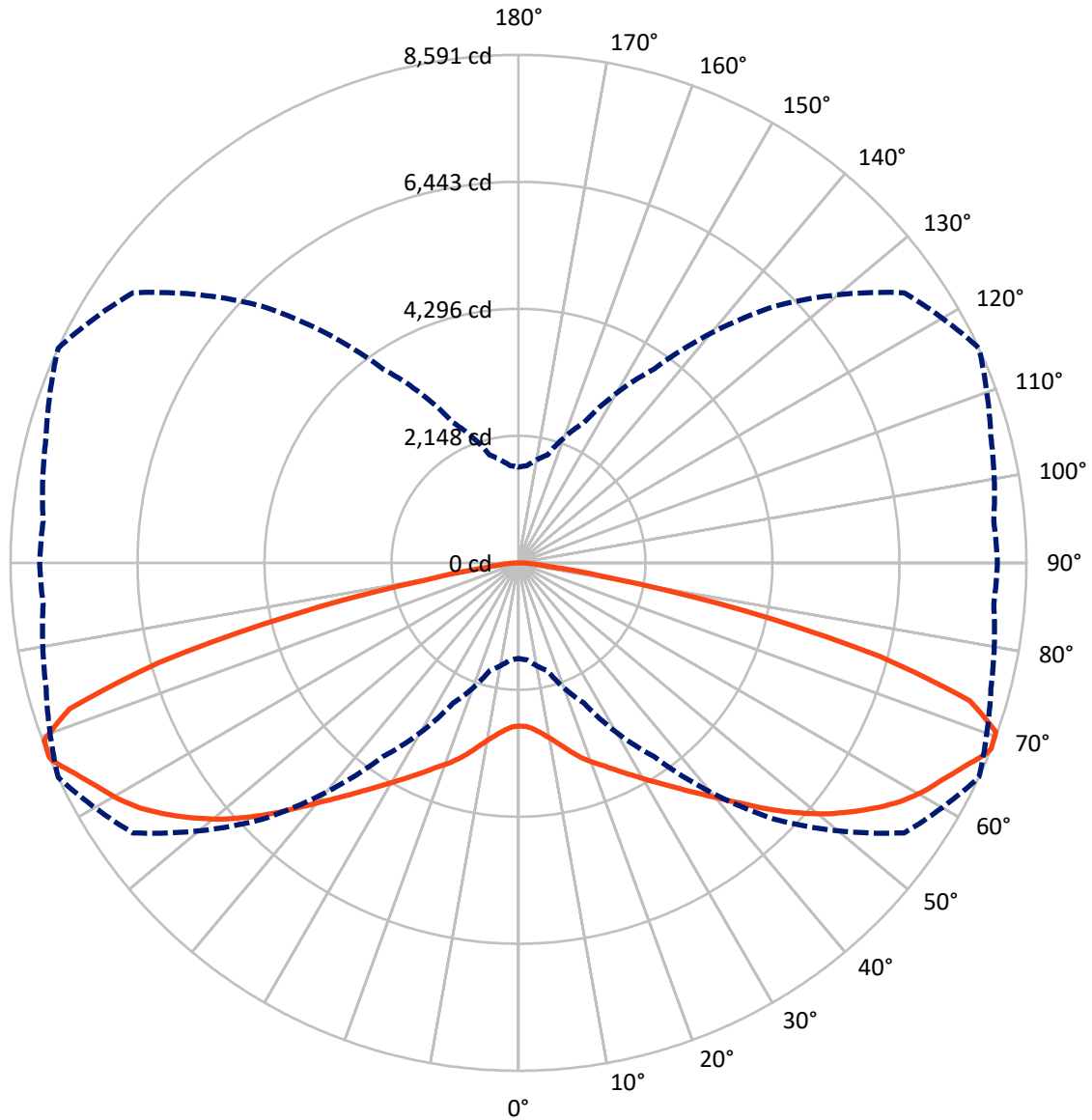
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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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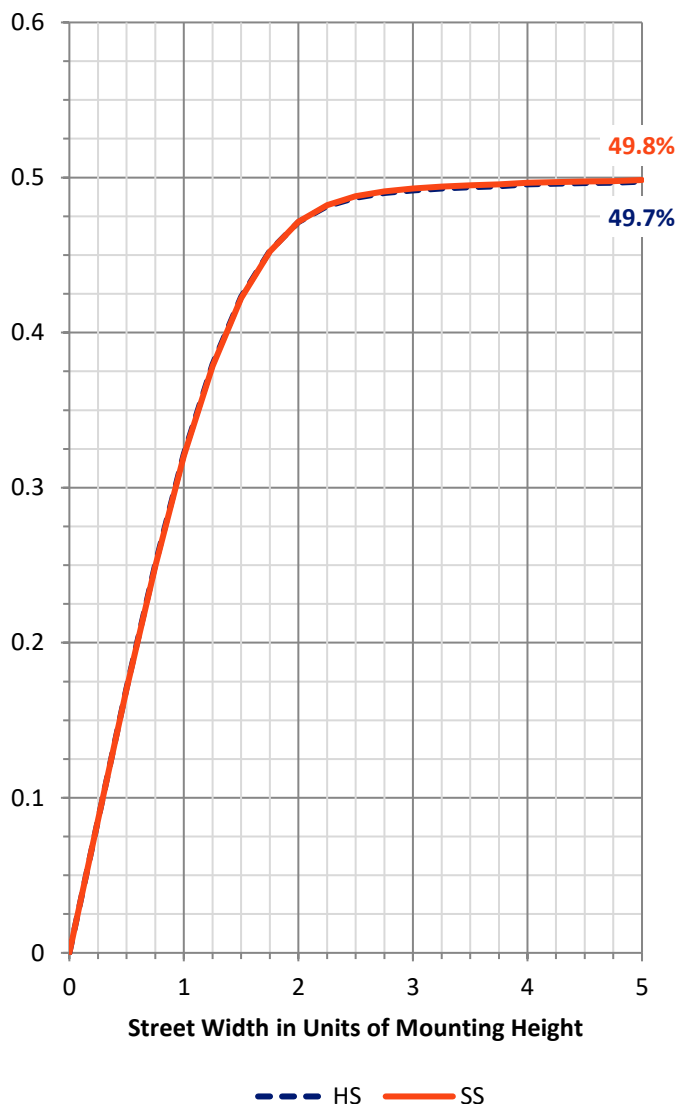
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13270.4	0.0	13270.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13270.4	0.0	13270.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	26540.7	0.0	26540.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	1.0
10°-20°	904.7	3.4
20°-30°	1763.9	6.6
30°-40°	2963.3	11.2
40°-50°	4669.0	17.6
50°-60°	6244.0	23.5
60°-70°	6070.0	22.9
70°-80°	3318.2	12.5
80°-90°	337.5	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°	26540.7	100.0
0°-180°	26540.7	100.0

Coefficient of Utilization



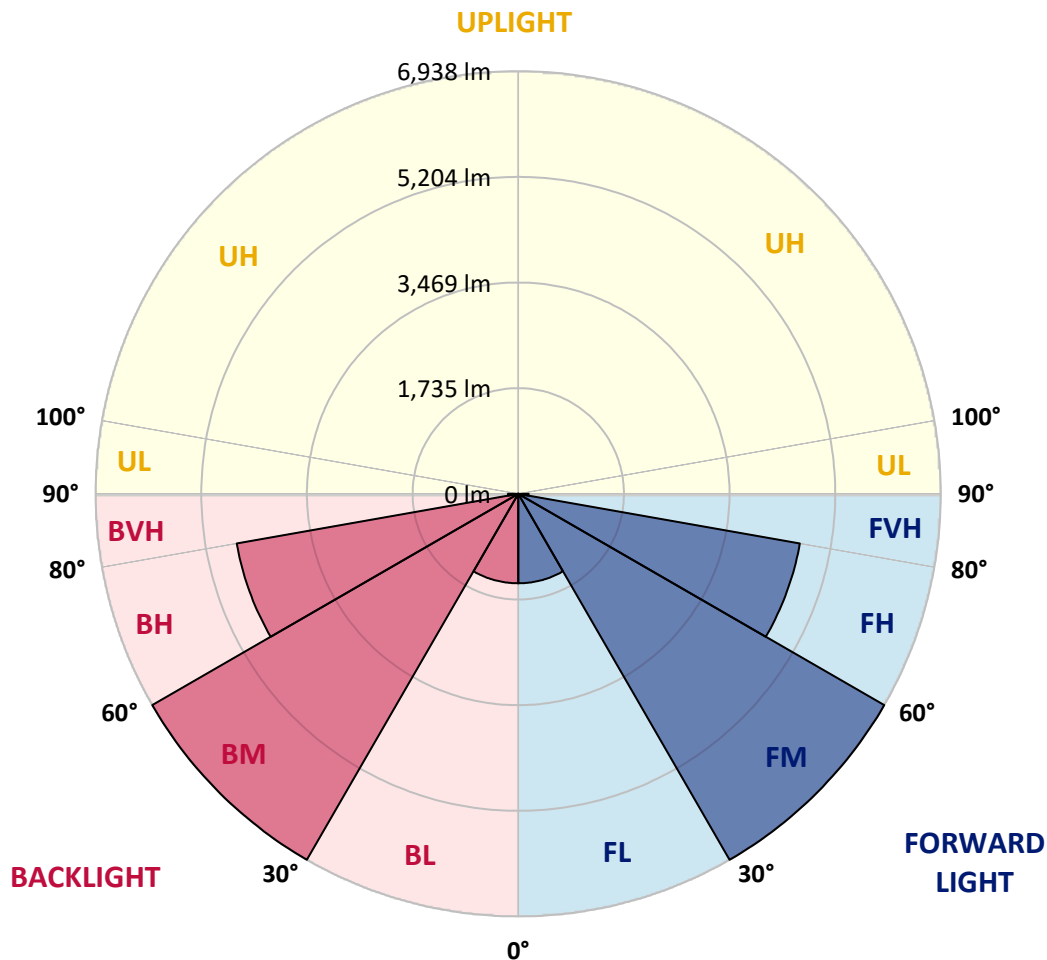
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1469.4	5.5			
FM (30°-60°)	6938.2	26.1			
FH (60°-80°)	4694.1	17.7			G2/5000
FVH (80°-90°)	168.7	0.6			G2/225
BL (0°-30°)	1469.4	5.5	B3/2500		
BM (30°-60°)	6938.2	26.1	B4/8500		
BH (60°-80°)	4694.1	17.7	B4/5000		G4/5000
BVH (80°-90°)	168.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2740.1	2740.9	2745.4	2750.7	2755.1	2766.7	2769.4	2773.9	2775.6	2780.1	2780.1
5°	2716.0	2717.8	2728.5	2742.7	2758.7	2787.2	2807.7	2830.8	2842.3	2854.8	2854.0
7.5°	2713.3	2717.8	2732.9	2756.1	2782.7	2829.9	2872.6	2918.9	2950.0	2978.5	2976.8
10°	2740.9	2748.1	2769.4	2804.1	2844.1	2902.9	2966.0	3028.4	3082.7	3126.3	3128.0
12.5°	2782.7	2791.7	2825.5	2877.9	2938.5	3014.1	3088.9	3159.2	3234.0	3298.9	3304.2
15°	2838.0	2849.5	2900.2	2978.5	3071.0	3160.9	3241.0	3313.1	3399.5	3489.3	3498.2
17.5°	2919.7	2935.8	3002.6	3108.5	3230.3	3329.2	3412.8	3467.1	3539.1	3631.7	3648.6
20°	3044.4	3064.9	3149.4	3275.8	3424.4	3527.6	3591.7	3603.2	3638.8	3721.6	3741.2
22.5°	3206.4	3224.2	3318.5	3468.9	3635.3	3747.4	3781.2	3734.9	3731.4	3798.1	3816.8
25°	3387.0	3403.0	3512.5	3681.6	3860.4	3984.1	3983.2	3893.3	3831.1	3882.7	3902.3
27.5°	3589.9	3614.8	3719.9	3897.8	4089.1	4211.1	4203.9	4065.1	3946.8	3960.1	3977.0
30°	3823.1	3850.6	3953.0	4133.6	4325.0	4444.2	4435.3	4252.0	4074.0	4038.4	4050.8
32.5°	4112.3	4145.2	4242.2	4420.2	4589.3	4697.0	4671.2	4454.8	4227.1	4149.7	4161.2
35°	4460.2	4479.8	4582.2	4757.4	4894.5	4968.4	4914.1	4689.8	4421.0	4327.6	4327.6
37.5°	4812.7	4827.7	4942.6	5112.5	5245.2	5284.3	5178.4	4947.0	4674.7	4542.1	4544.7
40°	5150.8	5191.7	5320.8	5495.2	5626.0	5636.7	5496.0	5240.7	4956.8	4819.7	4835.8
42.5°	5504.0	5544.1	5698.1	5895.7	6011.4	6029.2	5864.5	5569.9	5275.4	5164.1	5181.9
45°	5819.1	5851.1	6029.2	6258.7	6402.9	6449.2	6254.3	5947.3	5619.7	5511.2	5515.7
47.5°	6038.9	6080.8	6276.5	6547.1	6757.1	6828.2	6636.9	6314.8	5958.8	5827.1	5838.7
50°	6238.3	6260.6	6459.0	6754.4	7021.4	7168.3	7004.5	6677.9	6301.5	6161.7	6174.2
52.5°	6349.5	6378.0	6570.2	6878.1	7194.1	7430.8	7331.1	7004.5	6632.5	6496.3	6511.4
55°	6272.1	6293.4	6523.9	6905.7	7300.8	7592.7	7607.9	7323.9	6957.4	6838.0	6880.8
57.5°	5919.7	5946.3	6227.6	6727.7	7314.1	7702.1	7816.1	7620.3	7260.8	7163.8	7188.7
60°	5368.8	5385.7	5685.6	6248.1	7054.3	7747.6	7948.7	7862.4	7558.0	7461.0	7494.9
62.5°	4387.2	4412.2	4770.8	5524.5	6505.3	7613.2	8076.8	8062.5	7834.8	7745.8	7776.0
65°	2999.0	3042.6	3439.5	4392.6	5659.0	7202.1	8193.4	8295.7	8079.5	7967.3	8007.4
67.5°	1810.9	1843.0	2130.4	2900.2	4330.3	6372.6	8073.3	8560.9	8252.1	8071.5	8104.4
68°	1618.8	1648.1	1888.4	2617.2	4005.5	6138.6	7963.8	8591.2	8270.8	8069.7	8099.1
70°	978.0	997.6	1158.7	1617.8	2670.7	4869.6	7217.2	8566.2	8390.1	8094.6	8111.5
72.5°	637.2	643.4	670.1	830.3	1364.3	2723.1	5416.9	7982.5	8568.9	8239.6	8237.0
75°	529.5	526.0	528.6	547.3	672.8	1194.2	3165.4	6305.9	8168.5	8010.9	7955.0
77.5°	447.6	445.0	444.1	445.0	450.3	576.6	1374.0	3928.1	6250.7	7086.4	7136.2
80°	362.2	358.6	370.2	364.9	348.9	358.6	575.8	1633.8	2946.5	3169.9	2970.5
82.5°	263.4	250.0	299.9	285.7	272.3	252.7	317.7	527.7	703.0	482.4	339.1
85°	202.9	188.6	227.9	218.9	186.9	129.0	188.6	258.0	284.8	162.8	128.2
87.5°	82.7	87.2	164.6	130.0	109.5	62.3	77.4	103.2	138.8	69.4	53.4
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)