

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: P383244

Luminaire Tested: **GLEON-SA5D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383244
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-SA5D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 38050.9 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

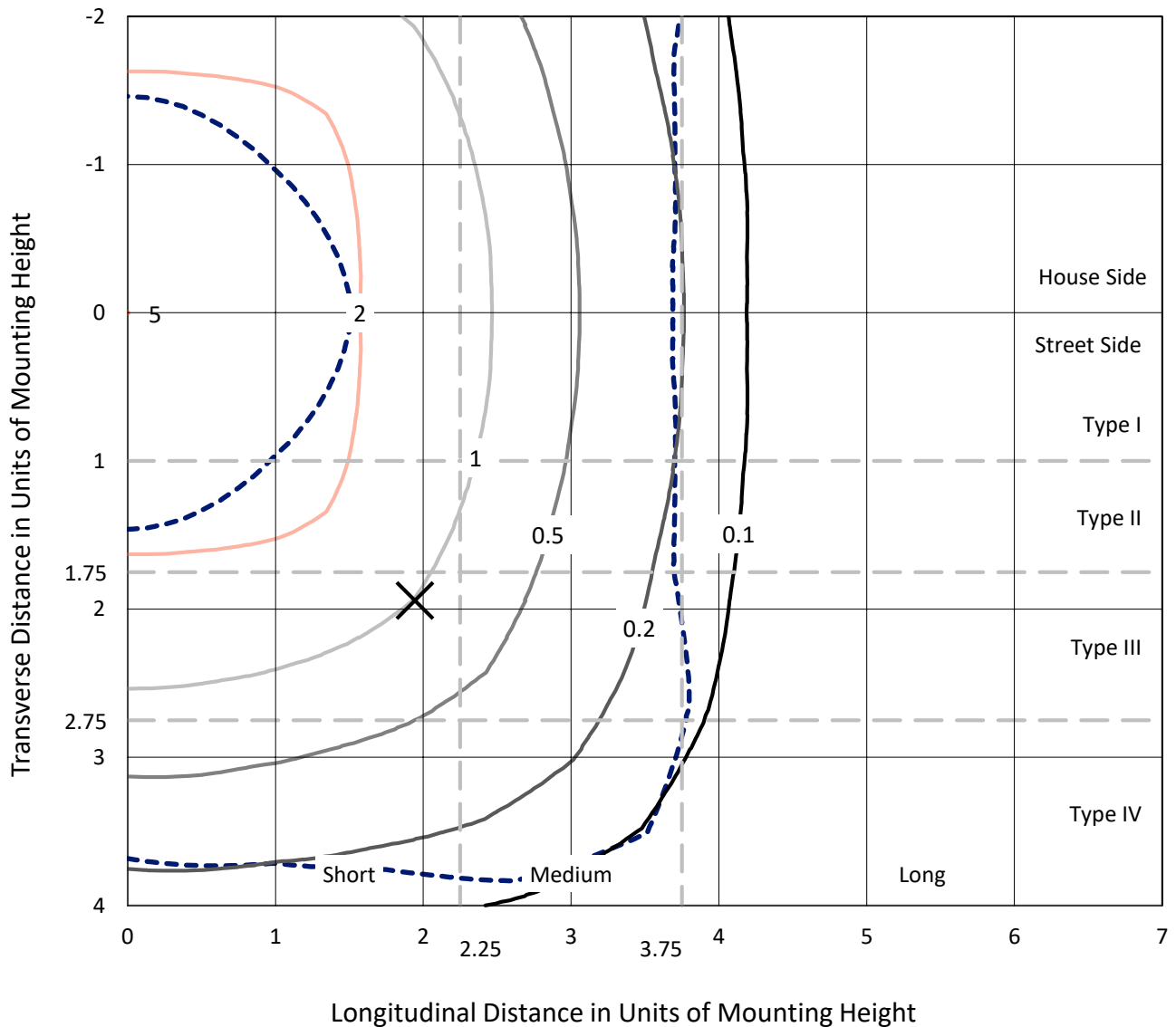
Input Watts (W): 320
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383244
 CATALOG NUMBER: GLEON-SA5D-735-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

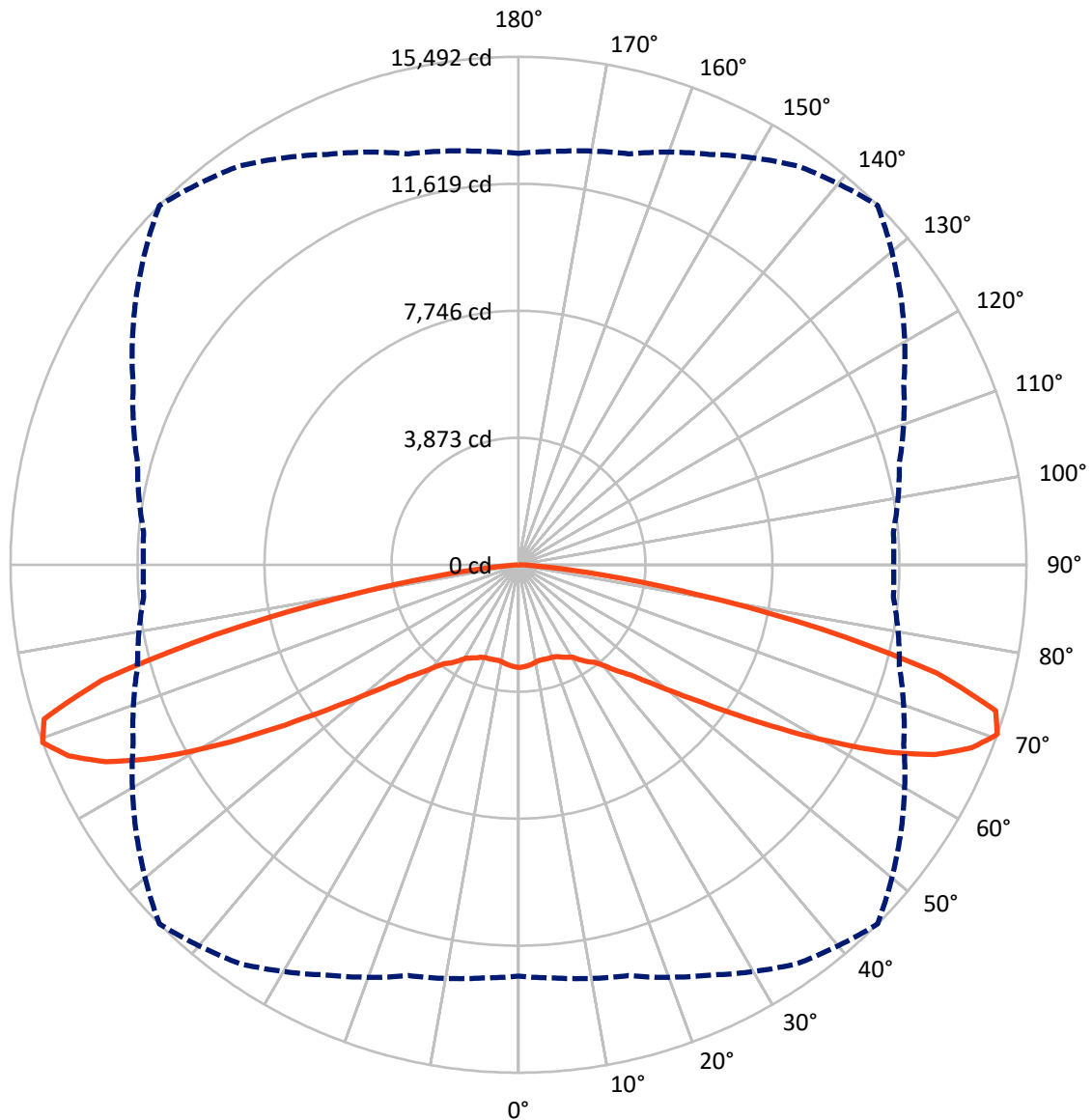
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P383244
CATALOG NUMBER: GLEON-SA5D-735-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P383244
 CATALOG NUMBER: GLEON-SA5D-735-U-5WQ

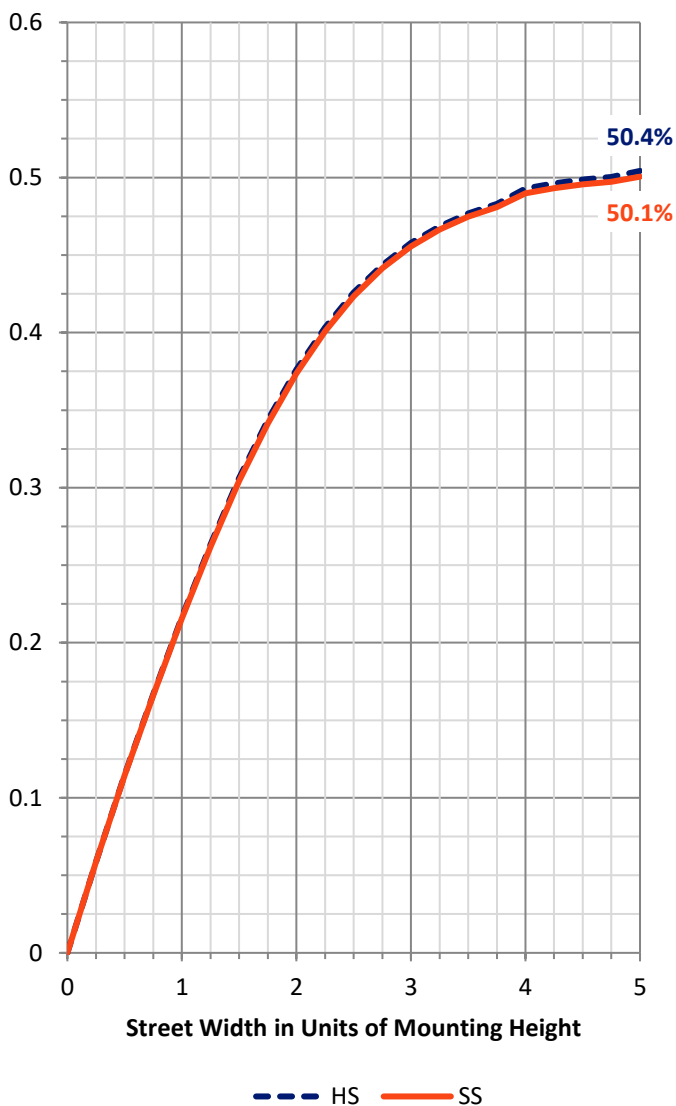
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19025.5	0.0	19025.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19025.5	0.0	19025.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38050.9	0.0	38050.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	0.8
10°-20°	853.8	2.2
20°-30°	1455.6	3.8
30°-40°	2274.5	6.0
40°-50°	3854.7	10.1
50°-60°	7029.4	18.5
60°-70°	12101.6	31.8
70°-80°	9485.7	24.9
80°-90°	703.3	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°	38050.9	100.0
0°-180°	38050.9	100.0

Coefficient of Utilization

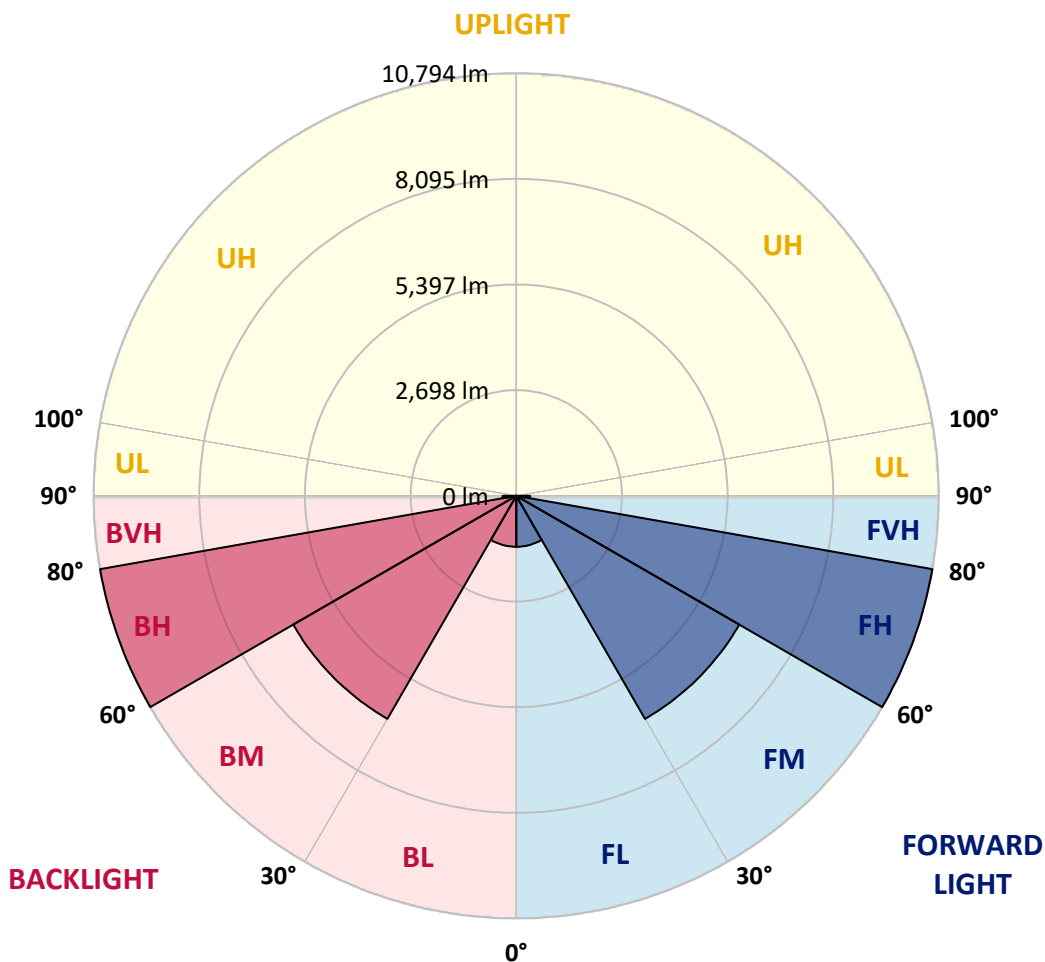


REPORT NUMBER: P383244
 CATALOG NUMBER: GLEON-SA5D-735-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1300.8	3.4			
FM (30°-60°)	6579.3	17.3			
FH (60°-80°)	10793.6	28.4			G4/12000
FVH (80°-90°)	351.7	0.9			G3/500
BL (0°-30°)	1300.8	3.4	B3/2500		
BM (30°-60°)	6579.3	17.3	B4/8500		
BH (60°-80°)	10793.6	28.4	B5		G4/12000
BVH (80°-90°)	351.7	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-G4
 Type V Short





REPORT NUMBER: P383244

CATALOG NUMBER: GLEON-SA5D-735-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6	3131.6
2.5°	3117.8	3121.5	3117.8	3120.3	3114.0	3116.5	3116.5	3116.5	3115.2	3116.5	3114.0
5°	3090.0	3092.6	3087.5	3090.0	3086.3	3090.0	3091.3	3090.0	3087.5	3088.8	3083.8
7.5°	3048.5	3051.0	3047.3	3051.0	3046.0	3052.3	3051.0	3047.3	3043.5	3043.5	3038.4
10°	3025.9	3027.2	3017.1	3013.3	3001.9	3004.4	3008.2	3012.1	3015.8	3023.3	3022.1
12.5°	3027.2	3027.2	3012.1	2995.7	2979.3	2983.1	2989.3	3003.2	3018.3	3032.2	3033.4
15°	3039.7	3038.4	3015.8	2989.3	2978.1	2989.3	2993.2	3001.9	3025.9	3049.8	3051.0
17.5°	3048.5	3048.5	3013.3	2983.1	2981.8	2999.4	2998.2	3001.9	3028.4	3063.7	3064.9
20°	3064.9	3064.9	3019.6	2986.8	2986.8	3005.7	3006.9	3013.3	3039.7	3078.8	3085.0
22.5°	3101.4	3102.6	3054.8	3028.4	3030.9	3042.2	3046.0	3056.0	3080.0	3122.8	3130.4
25°	3153.0	3155.5	3106.4	3091.3	3100.1	3121.5	3119.0	3126.6	3153.0	3194.6	3202.1
27.5°	3224.7	3218.4	3173.1	3166.8	3175.6	3190.7	3189.5	3190.7	3212.2	3249.9	3258.7
30°	3317.9	3315.4	3282.7	3286.4	3282.7	3277.6	3278.9	3288.9	3300.3	3330.5	3339.3
32.5°	3408.5	3411.0	3390.9	3409.7	3437.4	3456.3	3427.3	3399.7	3387.1	3403.5	3411.0
35°	3572.1	3578.4	3547.0	3534.4	3572.1	3627.5	3545.7	3500.4	3525.5	3547.0	3553.3
37.5°	3850.3	3854.1	3801.2	3750.9	3723.2	3776.0	3694.2	3698.0	3786.1	3826.4	3825.1
40°	4167.5	4168.8	4133.5	4089.5	4041.6	4054.2	4021.5	4031.6	4089.5	4125.9	4136.0
42.5°	4545.1	4541.3	4486.0	4423.0	4409.2	4421.8	4366.3	4358.8	4425.5	4491.0	4492.2
45°	5034.7	5025.9	4954.2	4884.9	4818.2	4790.6	4776.7	4813.2	4905.1	4965.5	4966.7
47.5°	5562.1	5538.2	5500.4	5445.1	5387.1	5359.5	5336.8	5354.4	5421.1	5445.1	5447.6
50°	6104.6	6109.6	6117.2	6095.8	6074.4	6065.6	6006.4	5972.4	5992.6	5948.5	5942.2
52.5°	6747.8	6757.8	6830.9	6892.5	6929.0	6947.9	6835.9	6718.9	6653.4	6567.8	6542.6
55°	7506.8	7523.1	7630.1	7801.3	7977.5	8070.6	7868.0	7649.0	7446.3	7286.5	7234.9
57.5°	8352.6	8381.5	8528.8	8857.3	9218.6	9438.8	9096.5	8698.7	8307.3	8077.0	8036.6
60°	9344.4	9372.1	9576.0	10046.7	10632.0	10963.1	10444.5	9793.8	9306.7	9086.4	9012.2
62.5°	10525.1	10527.6	10778.1	11328.1	12101.0	12561.6	11859.3	10989.6	10487.4	10221.8	10150.0
65°	11795.1	11801.4	12060.7	12654.8	13454.1	13955.0	13162.0	12255.8	11641.6	11250.1	11194.7
67.5°	12692.5	12719.0	12992.1	13707.1	14454.6	14906.5	14085.9	13061.3	12351.4	11884.5	11837.9
70°	12549.1	12652.3	12973.2	13807.7	14847.4	15491.8	14235.6	12965.7	12029.2	11477.9	11438.8
72.5°	10944.2	11141.9	11569.8	12664.9	14327.6	15215.0	13418.8	11612.6	10552.8	10083.3	10012.8
75°	7452.7	7773.6	8419.3	9999.0	12240.6	13173.4	11296.7	9258.8	8262.0	7612.5	7564.6
77.5°	3322.9	3396.0	4214.0	6032.9	8447.0	9460.2	8207.9	6056.7	4546.3	3626.2	3432.4
80°	926.4	937.7	1251.2	2246.7	4227.9	5558.4	4538.8	2360.0	1326.6	935.2	881.1
82.5°	294.6	319.7	390.2	582.8	1421.1	2536.2	1458.8	629.4	448.1	357.4	322.2
85°	143.5	142.2	197.6	236.6	362.5	561.4	386.4	292.0	255.5	169.9	153.5
87.5°	60.5	61.7	91.9	83.1	105.7	90.6	124.6	130.9	137.2	75.5	65.5
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)