

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: P382715

Luminaire Tested: **GLEON-SA1A-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382715
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-SA1A-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4645.6 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

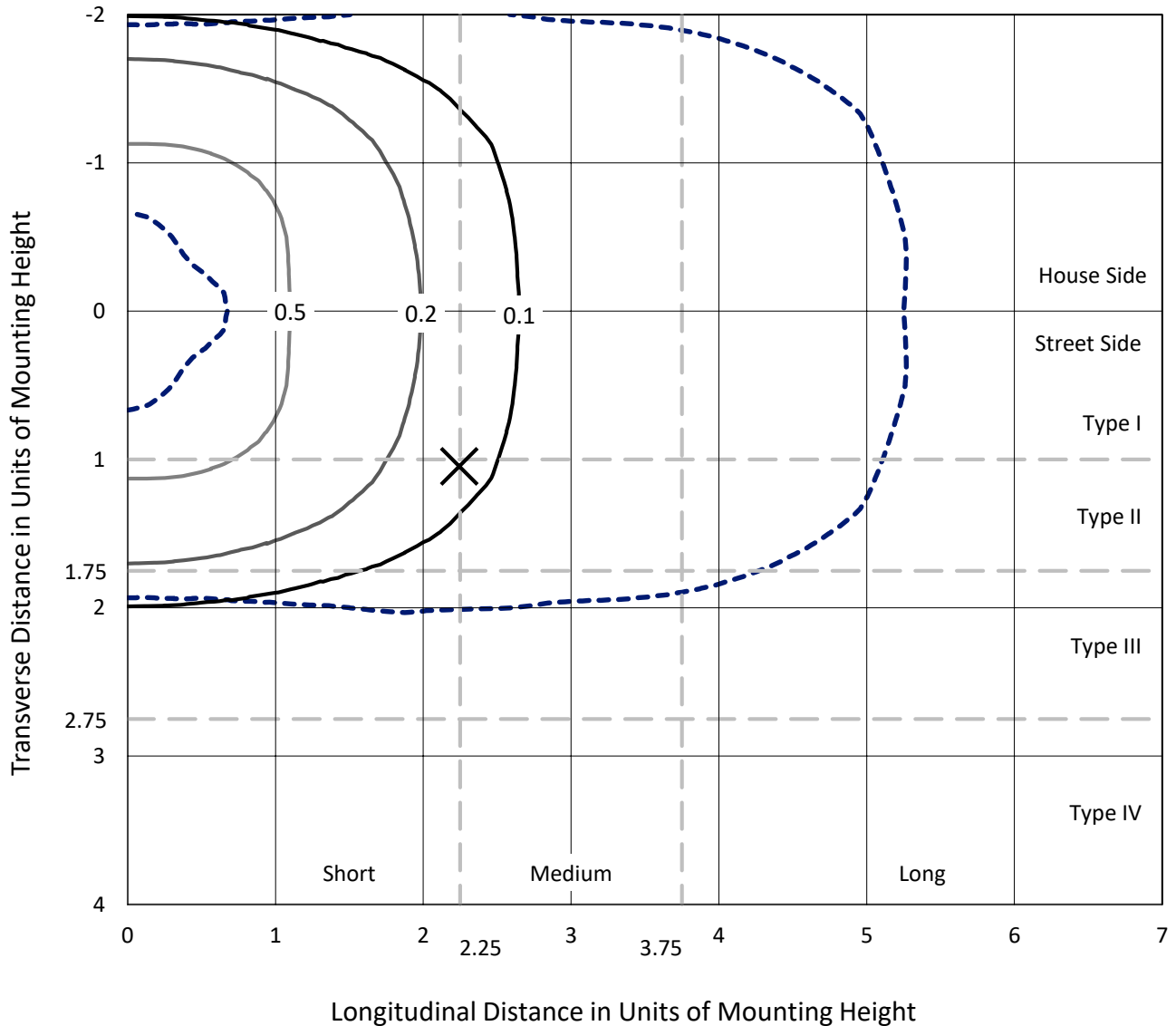
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P382715
 CATALOG NUMBER: GLEON-SA1A-735-U-RW

Iso-Footcandle Lines of Horizontal Illumination

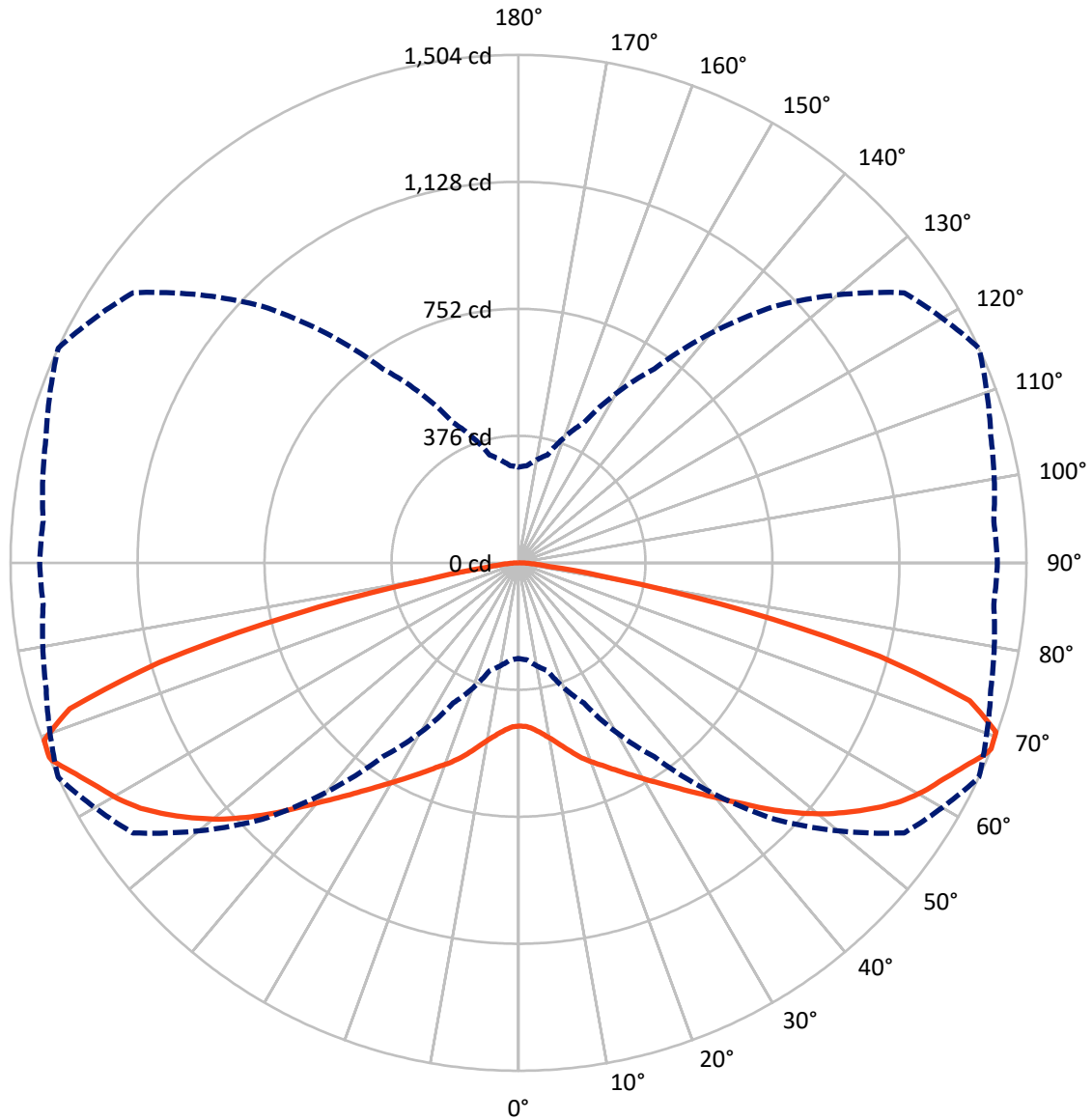
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

REPORT NUMBER: P382715
CATALOG NUMBER: GLEON-SA1A-735-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P382715
 CATALOG NUMBER: GLEON-SA1A-735-U-RW

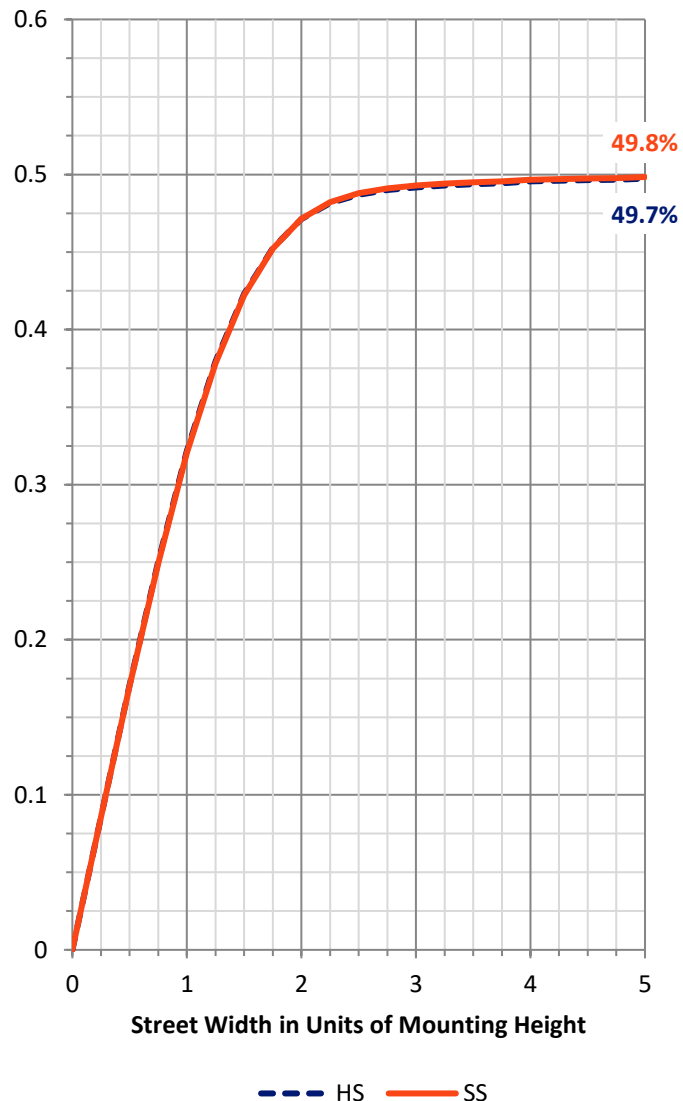
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2322.8	0.0	2322.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2322.8	0.0	2322.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4645.6	0.0	4645.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.3	1.0
10°-20°	158.4	3.4
20°-30°	308.8	6.6
30°-40°	518.7	11.2
40°-50°	817.3	17.6
50°-60°	1092.9	23.5
60°-70°	1062.5	22.9
70°-80°	580.8	12.5
80°-90°	59.1	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°	4645.6	100.0
0°-180°	4645.6	100.0

Coefficient of Utilization

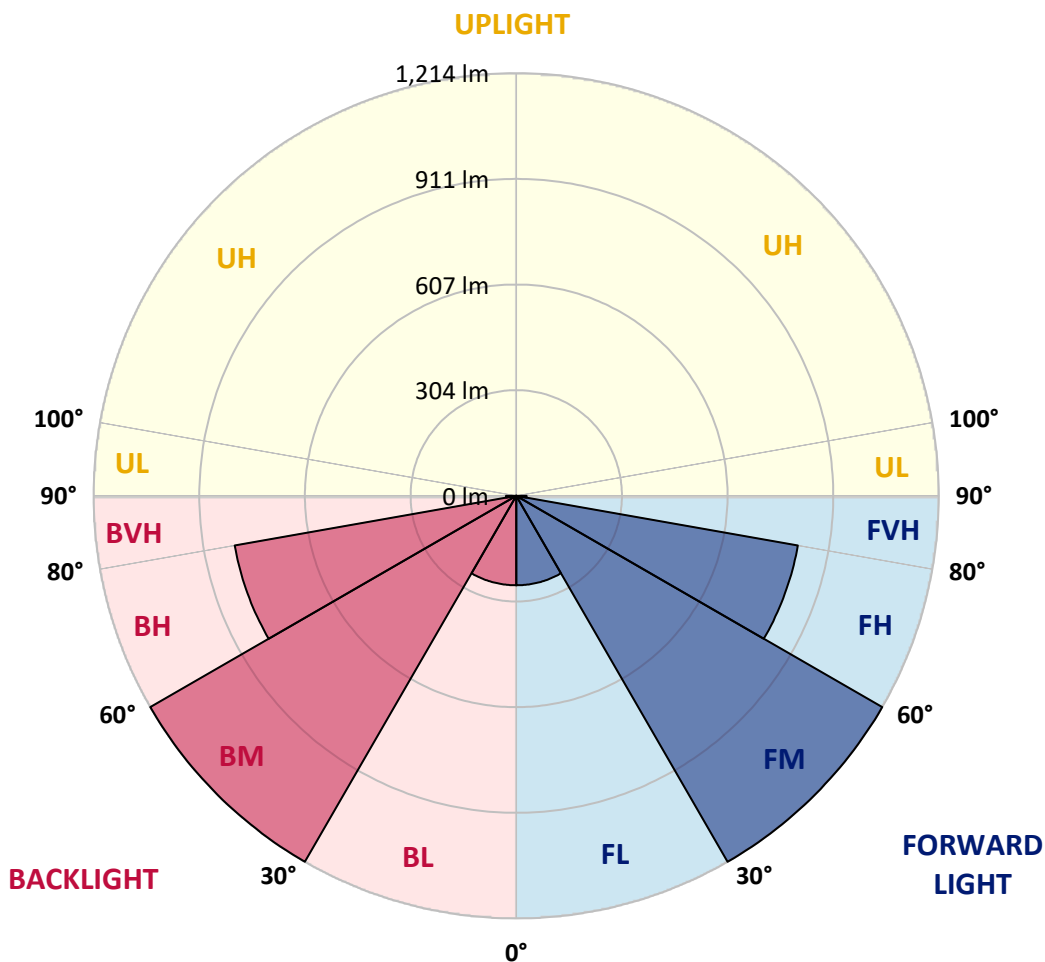


REPORT NUMBER: P382715
 CATALOG NUMBER: GLEON-SA1A-735-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.2	5.5			
FM (30°-60°)	1214.4	26.1			
FH (60°-80°)	821.6	17.7			G1/1800
FVH (80°-90°)	29.5	0.6			G1/100
BL (0°-30°)	257.2	5.5	B1/500		
BM (30°-60°)	1214.4	26.1	B2/2500		
BH (60°-80°)	821.6	17.7	B2/1000		G2/1000
BVH (80°-90°)	29.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type III Short





REPORT NUMBER: P382715
 CATALOG NUMBER: GLEON-SA1A-735-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0	483.0
2.5°	479.7	479.7	480.6	481.5	482.3	484.3	484.8	485.5	485.8	486.6	486.6
5°	475.4	475.7	477.6	480.1	482.9	487.9	491.5	495.5	497.5	499.7	499.6
7.5°	474.9	475.7	478.3	482.4	487.1	495.3	502.8	511.0	516.4	521.4	521.0
10°	479.7	481.1	484.8	490.8	497.8	508.2	519.2	530.1	539.6	547.2	547.6
12.5°	487.1	488.7	494.6	503.8	514.3	527.6	540.7	553.0	566.1	577.5	578.4
15°	496.7	498.8	507.7	521.4	537.6	553.2	567.3	579.9	595.1	610.7	612.3
17.5°	511.0	513.8	525.6	544.1	565.4	582.7	597.4	606.9	619.5	635.7	638.7
20°	532.8	536.5	551.3	573.4	599.4	617.4	628.7	630.7	636.9	651.4	654.9
22.5°	561.3	564.3	580.8	607.2	636.3	655.9	661.9	653.8	653.1	664.8	668.1
25°	592.8	595.6	614.8	644.4	675.7	697.4	697.2	681.5	670.6	679.7	683.0
27.5°	628.3	632.7	651.2	682.3	715.7	737.1	735.8	711.5	690.8	693.2	696.1
30°	669.2	674.0	692.0	723.5	757.1	777.9	776.4	744.2	713.1	706.9	709.1
32.5°	719.8	725.6	742.5	773.7	803.3	822.2	817.6	779.8	739.9	726.3	728.4
35°	780.7	784.2	802.1	832.7	856.7	869.7	860.2	820.9	773.8	757.5	757.5
37.5°	842.4	845.0	865.1	894.8	918.1	924.9	906.4	865.9	818.3	795.1	795.5
40°	901.6	908.7	931.4	961.8	984.7	986.6	962.0	917.3	867.6	843.6	846.4
42.5°	963.4	970.4	997.4	1032.0	1052.2	1055.4	1026.5	975.0	923.3	903.9	907.0
45°	1018.6	1024.1	1055.4	1095.5	1120.7	1128.8	1094.8	1041.0	983.7	964.7	965.5
47.5°	1057.0	1064.4	1098.7	1146.0	1182.8	1195.2	1161.7	1105.4	1043.1	1020.0	1022.0
50°	1092.0	1095.9	1130.5	1182.3	1229.0	1254.7	1226.0	1168.9	1103.0	1078.5	1080.7
52.5°	1111.4	1116.4	1150.0	1203.9	1259.3	1300.6	1283.2	1226.0	1160.9	1137.1	1139.7
55°	1097.8	1101.6	1141.9	1208.8	1277.9	1329.0	1331.6	1282.0	1217.8	1196.9	1204.4
57.5°	1036.2	1040.8	1090.1	1177.6	1280.2	1348.1	1368.1	1333.9	1270.9	1254.0	1258.3
60°	939.7	942.7	995.2	1093.6	1234.8	1356.1	1391.4	1376.2	1322.9	1305.9	1311.9
62.5°	768.0	772.3	835.0	967.0	1138.6	1332.6	1413.7	1411.3	1371.4	1355.8	1361.1
65°	524.9	532.6	602.1	768.9	990.5	1260.7	1434.1	1452.1	1414.2	1394.6	1401.6
67.5°	317.0	322.6	372.9	507.7	758.0	1115.4	1413.2	1498.5	1444.5	1412.8	1418.6
68°	283.4	288.5	330.5	458.1	701.1	1074.4	1394.0	1503.8	1447.7	1412.5	1417.6
70°	171.2	174.6	202.8	283.2	467.5	852.4	1263.3	1499.4	1468.6	1416.9	1419.9
72.5°	111.5	112.6	117.3	145.3	238.8	476.7	948.1	1397.2	1499.9	1442.2	1441.8
75°	92.7	92.0	92.5	95.8	117.7	209.0	554.1	1103.8	1429.8	1402.3	1392.4
77.5°	78.3	77.9	77.7	77.9	78.8	101.0	240.5	687.6	1094.1	1240.4	1249.1
80°	63.4	62.8	64.8	63.9	61.0	62.8	100.8	286.0	515.7	554.8	520.0
82.5°	46.1	43.8	52.5	50.0	47.7	44.2	55.6	92.4	123.1	84.4	59.3
85°	35.5	33.0	39.9	38.3	32.7	22.5	33.0	45.2	49.8	28.5	22.5
87.5°	14.5	15.3	28.8	22.7	19.2	10.9	13.5	18.1	24.3	12.1	9.3
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)