

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: P382739

Luminaire Tested: **GLEON-SA1B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5749.5 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

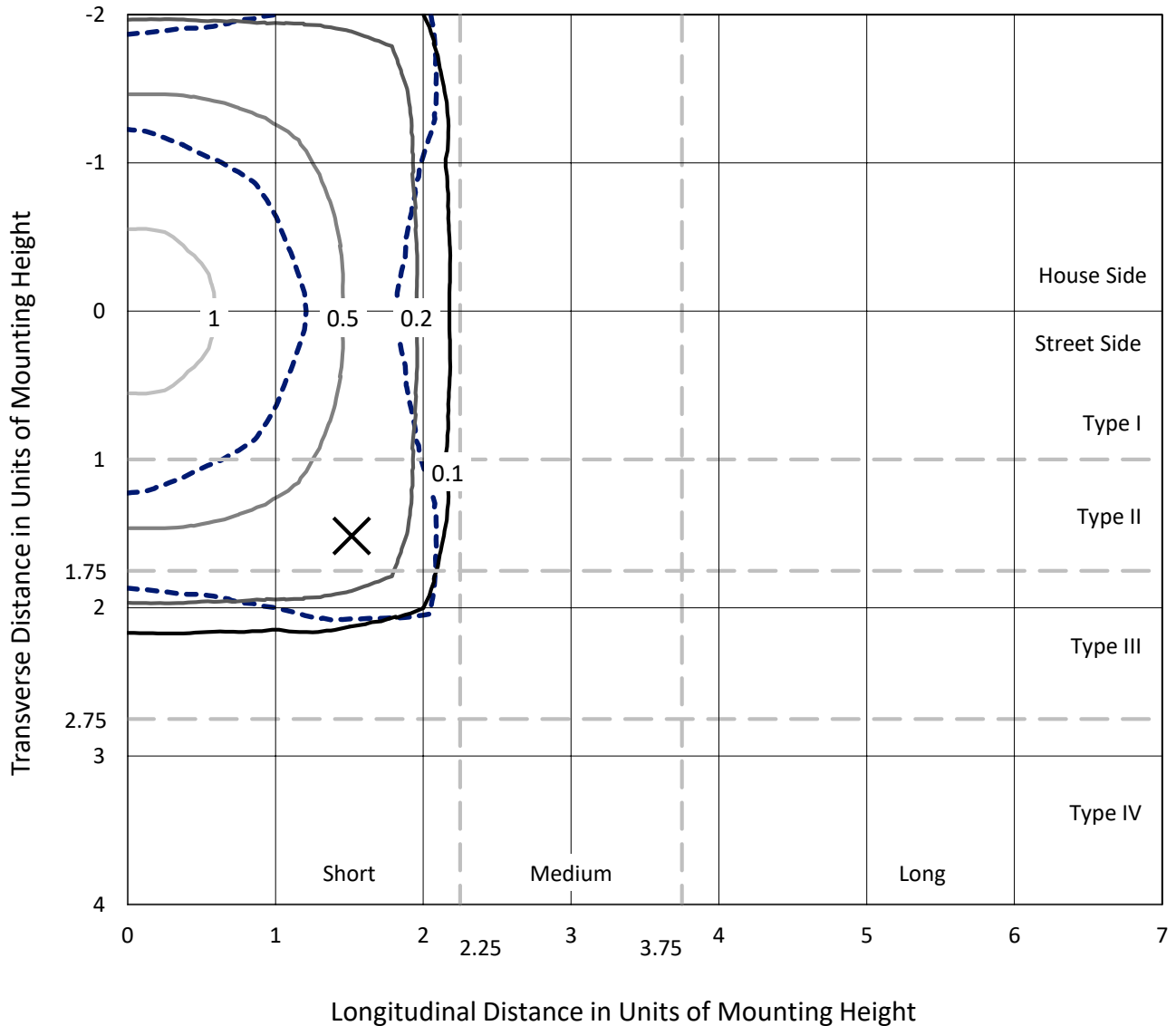
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P382739
 CATALOG NUMBER: GLEON-SA1B-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

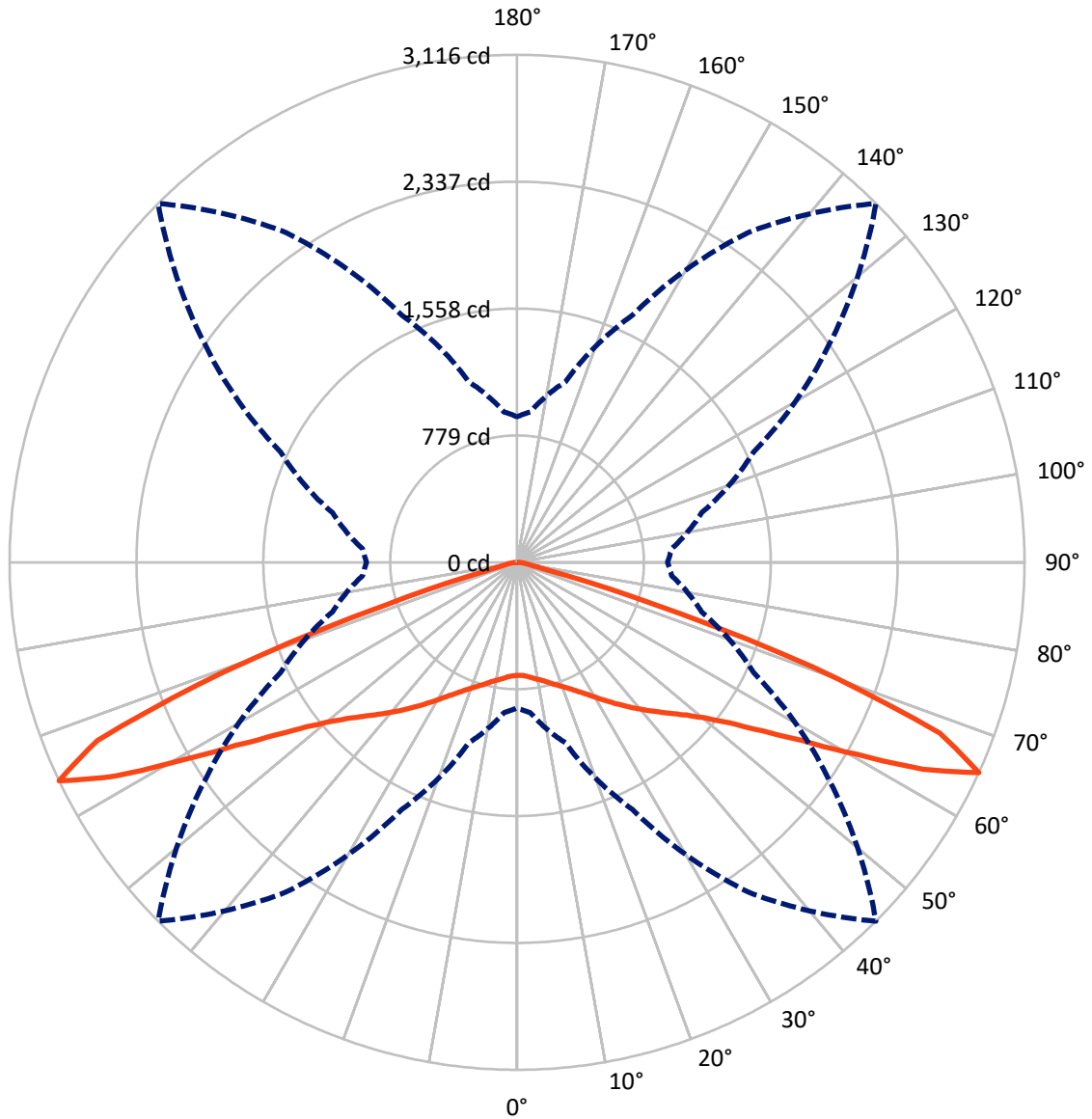
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

REPORT NUMBER: P382739
CATALOG NUMBER: GLEON-SA1B-735-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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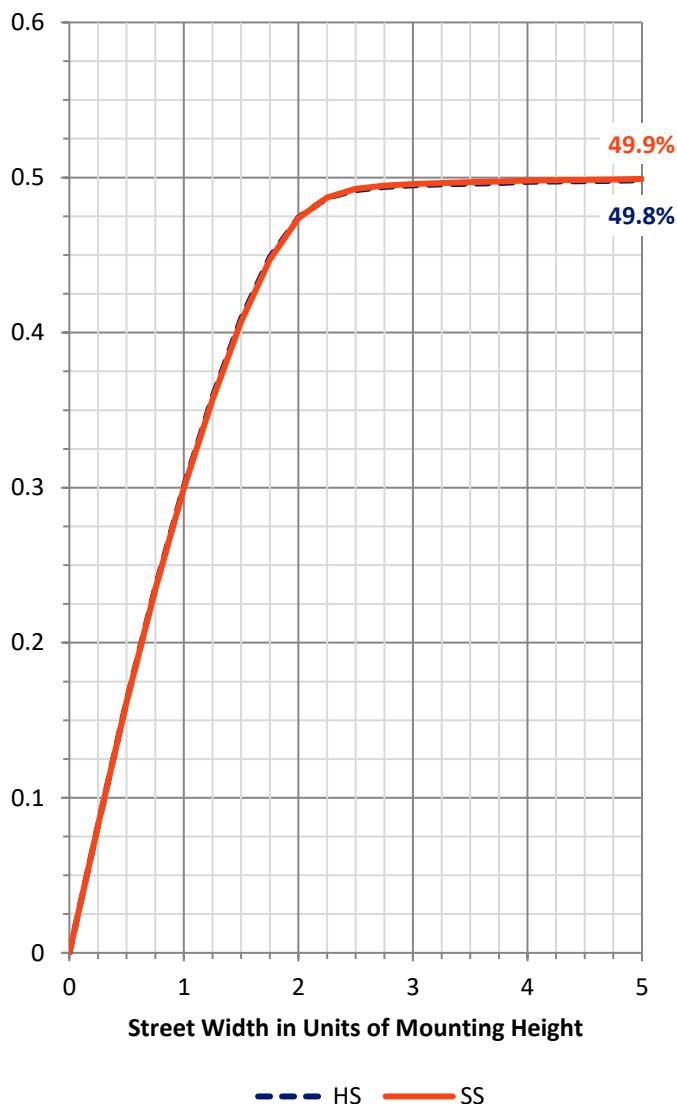
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2874.8	0.0	2874.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2874.8	0.0	2874.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5749.5	0.0	5749.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.2
10°-20°	219.0	3.8
20°-30°	410.8	7.1
30°-40°	679.4	11.8
40°-50°	1052.3	18.3
50°-60°	1614.0	28.1
60°-70°	1506.0	26.2
70°-80°	175.3	3.0
80°-90°	24.6	0.4
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°	5749.5	100.0
0°-180°	5749.5	100.0

Coefficient of Utilization



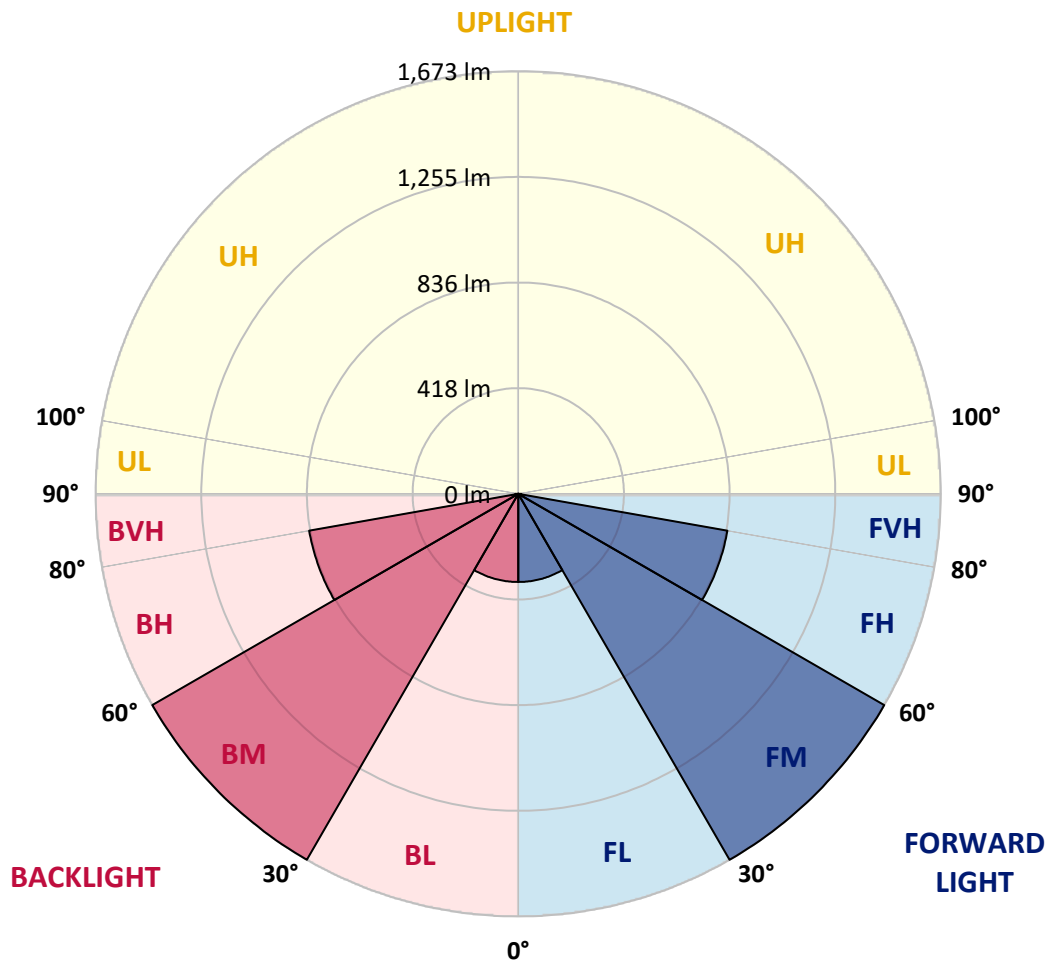
REPORT NUMBER: P382739
 CATALOG NUMBER: GLEON-SA1B-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.0	6.1			
FM (30°-60°)	1672.8	29.1			
FH (60°-80°)	840.6	14.6			G1/1800
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	349.0	6.1	B1/500		
BM (30°-60°)	1672.8	29.1	B2/2500		
BH (60°-80°)	840.6	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3
2.5°	696.6	696.2	696.6	696.8	695.7	696.2	696.1	697.0	697.4	697.0	697.0
5°	704.6	704.1	704.8	705.7	704.2	704.6	704.1	705.2	705.6	704.8	705.4
7.5°	715.7	715.9	716.6	718.4	717.4	718.2	717.0	717.2	717.0	715.9	716.1
10°	727.7	727.9	729.2	731.5	731.9	731.9	731.2	730.6	729.9	729.0	729.2
12.5°	742.3	743.2	744.1	747.0	747.0	748.5	748.1	746.6	745.2	744.1	744.1
15°	761.9	761.7	762.8	765.7	767.0	769.6	769.6	767.4	765.7	764.5	764.1
17.5°	782.5	783.1	783.8	787.3	789.4	792.2	792.7	790.9	789.8	788.2	787.3
20°	806.5	807.5	810.5	811.9	813.8	816.5	817.4	817.1	815.9	815.1	815.3
22.5°	834.6	837.1	839.0	840.9	843.2	845.1	846.0	847.4	846.2	845.7	845.3
25°	868.6	870.3	874.1	877.5	879.1	879.7	880.8	882.7	882.5	881.2	881.2
27.5°	907.1	910.4	915.2	920.1	920.1	918.2	922.0	925.2	924.1	922.4	920.1
30°	953.9	957.0	962.5	969.4	965.9	964.6	969.7	975.6	973.9	971.0	970.7
32.5°	1004.3	1007.1	1014.4	1021.8	1017.4	1015.6	1021.1	1029.6	1026.6	1020.9	1017.4
35°	1058.9	1061.7	1072.0	1081.0	1073.5	1070.3	1074.9	1084.2	1078.9	1068.2	1065.5
37.5°	1118.2	1119.7	1133.1	1142.3	1137.1	1128.5	1134.3	1141.1	1136.6	1123.5	1118.4
40°	1179.9	1185.4	1200.9	1211.6	1202.5	1189.0	1198.5	1208.1	1201.2	1184.6	1175.9
42.5°	1251.8	1256.0	1276.6	1286.2	1271.7	1252.6	1265.5	1278.5	1271.7	1255.6	1248.0
45°	1326.6	1333.1	1357.7	1367.2	1346.3	1322.1	1337.9	1360.6	1360.1	1337.0	1328.9
47.5°	1408.1	1414.6	1444.0	1456.6	1433.9	1401.4	1423.8	1455.8	1453.6	1428.2	1421.6
50°	1502.2	1509.1	1545.7	1561.6	1540.4	1502.6	1536.2	1564.4	1560.2	1528.9	1529.5
52.5°	1620.3	1620.0	1665.6	1693.1	1671.3	1637.9	1668.9	1696.3	1678.9	1635.6	1634.3
55°	1723.8	1730.1	1786.6	1838.7	1837.4	1824.5	1837.0	1838.1	1788.5	1730.8	1723.8
57.5°	1791.7	1803.8	1883.3	1977.6	2048.3	2065.2	2041.2	1968.3	1852.0	1759.9	1748.6
60°	1749.9	1768.3	1893.3	2085.5	2293.5	2393.3	2257.6	2031.4	1802.6	1674.2	1658.9
62.5°	1467.8	1498.8	1681.8	2033.4	2504.6	2796.4	2414.5	1930.1	1606.1	1429.1	1403.0
65°	893.9	926.6	1147.2	1673.6	2470.4	3115.5	2342.9	1602.0	1172.3	952.1	923.9
67.5°	297.9	307.5	437.5	925.0	1941.5	2799.2	1944.8	959.0	510.1	338.2	328.3
70°	116.6	117.6	138.7	268.2	916.8	1922.6	1011.8	272.9	145.0	114.7	117.2
72.5°	85.7	86.1	92.0	112.1	238.9	847.0	247.5	112.6	89.5	80.4	80.4
75°	68.9	68.9	73.1	81.7	107.0	194.3	108.6	80.8	70.1	64.1	63.3
77.5°	54.4	55.5	58.8	64.3	72.6	93.5	75.2	63.9	56.5	51.0	49.8
80°	40.4	41.6	46.9	49.7	52.1	64.9	55.5	50.0	44.6	38.2	37.0
82.5°	26.5	27.7	34.4	35.9	35.3	42.4	37.4	36.8	32.8	24.6	23.5
85°	17.3	17.8	22.9	23.8	22.0	19.3	23.8	25.2	22.9	16.0	15.5
87.5°	8.2	8.2	11.6	10.9	10.0	8.0	10.9	12.8	12.9	7.8	7.6
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)