

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: P821229

Luminaire Tested: **TT-D3-735-24VDC-RW**

Issue Date: 10/15/2020



Test Information

Test Method: LM-79-08
Report Number: P821229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-981-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-735-24VDC-RW
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND RECTANGULAR DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4805 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

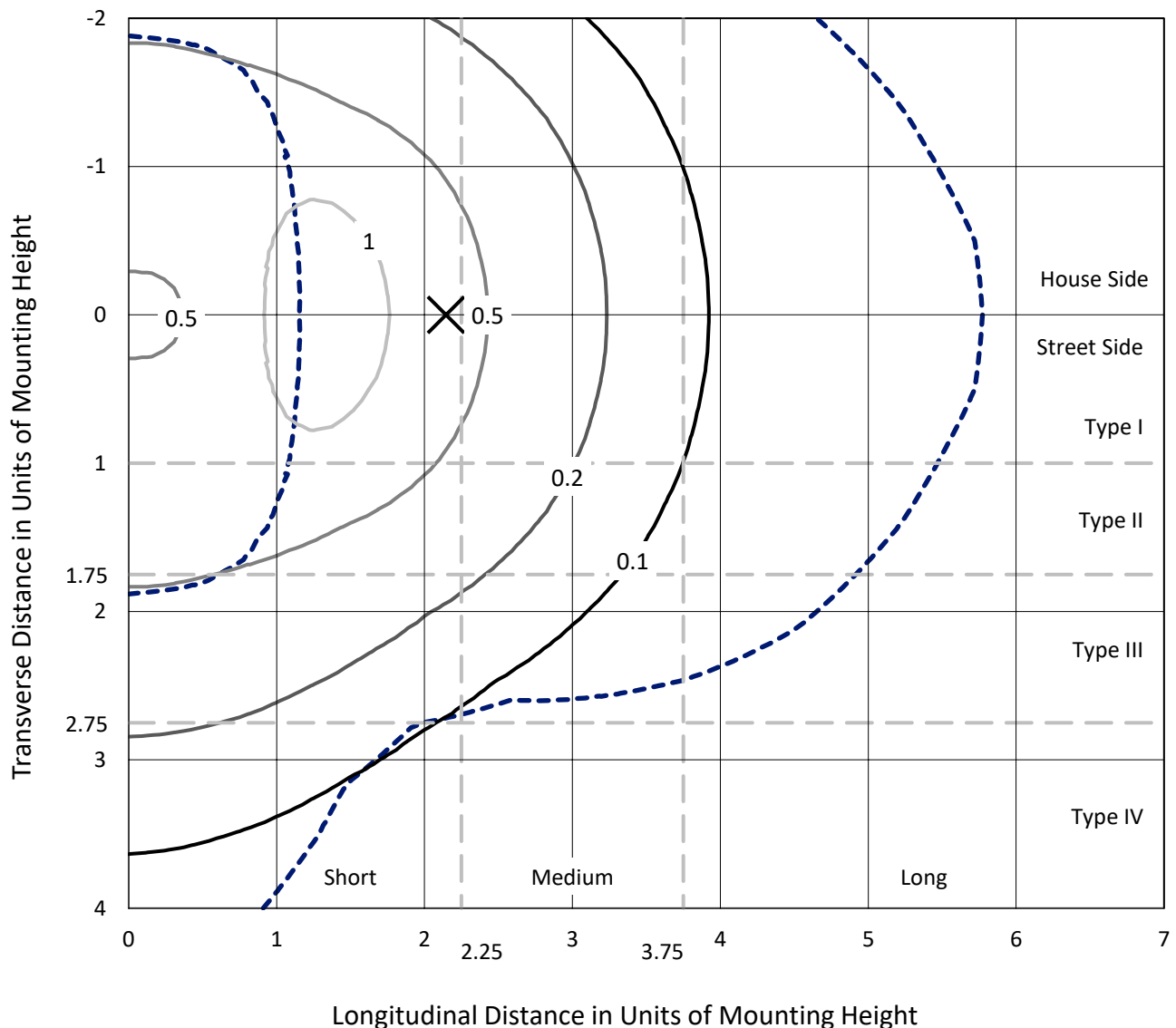
Input Watts (W): 46
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P821229

CATALOG NUMBER: TT-D3-735-24VDC-RW

Iso-Footcandle Lines of Horizontal Illumination

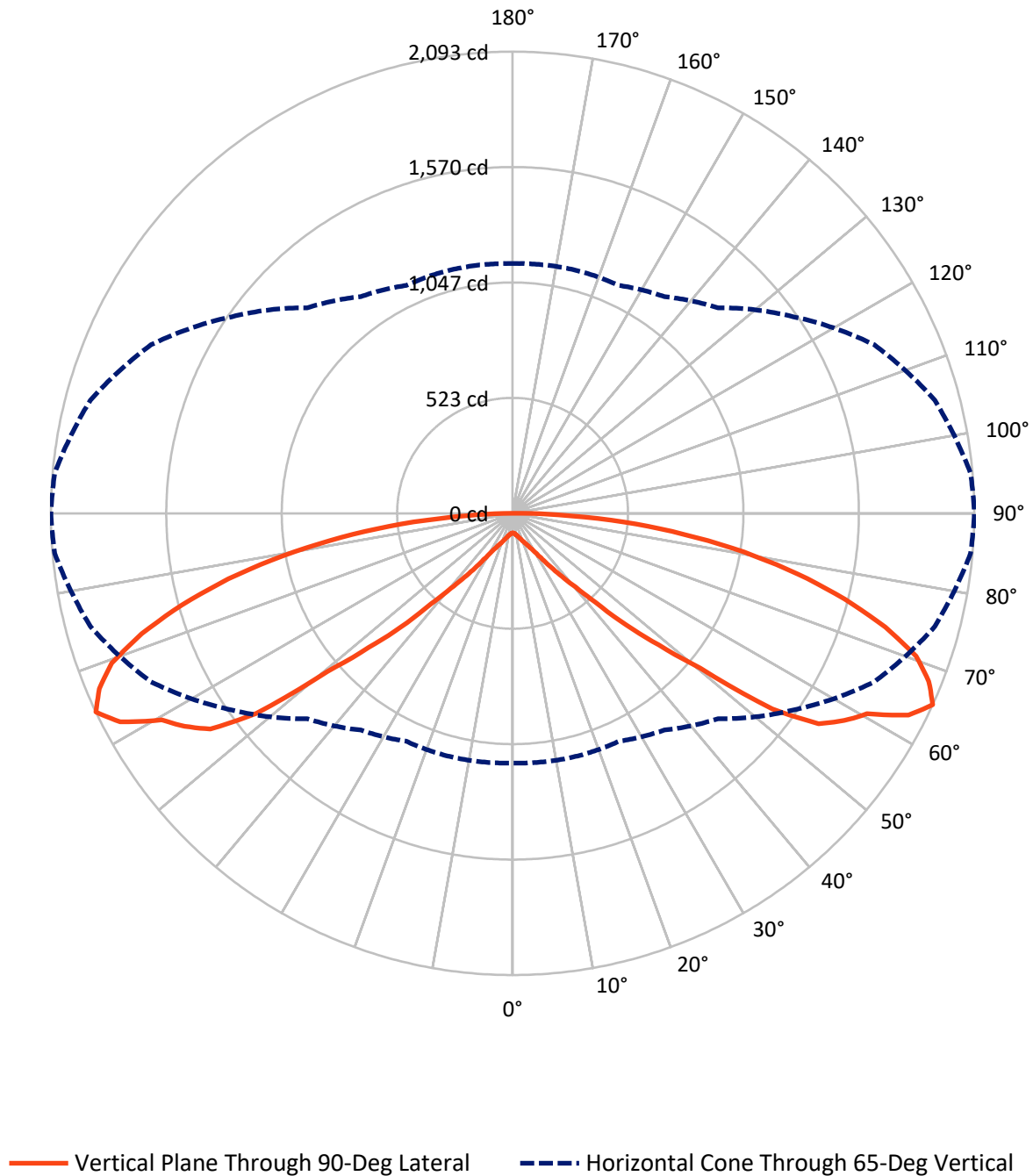
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P821229
CATALOG NUMBER: TT-D3-735-24VDC-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P821229

CATALOG NUMBER: TT-D3-735-24VDC-RW

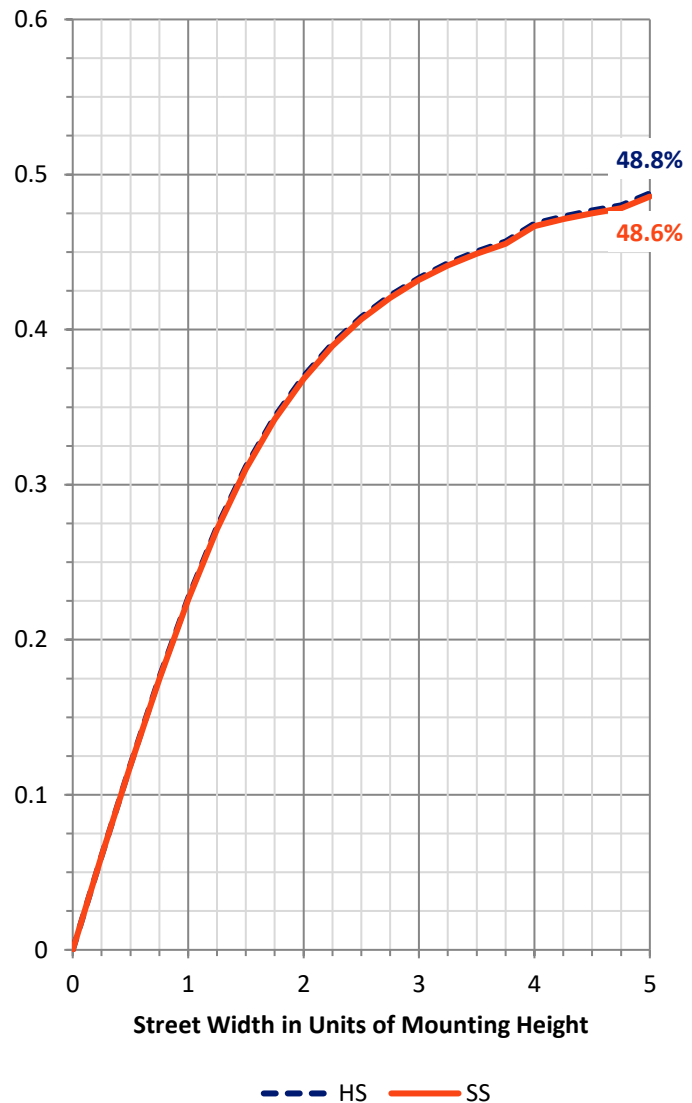
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2402.5	0.0	2402.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2402.5	0.0	2402.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4805.0	0.0	4805.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	34.3	0.7
20°-30°	79.2	1.6
30°-40°	179.0	3.7
40°-50°	436.1	9.1
50°-60°	980.7	20.4
60°-70°	1433.2	29.8
70°-80°	1248.9	26.0
80°-90°	404.5	8.4
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°	4805.0	100.0
0°-180°	4805.0	100.0



REPORT NUMBER: P821229

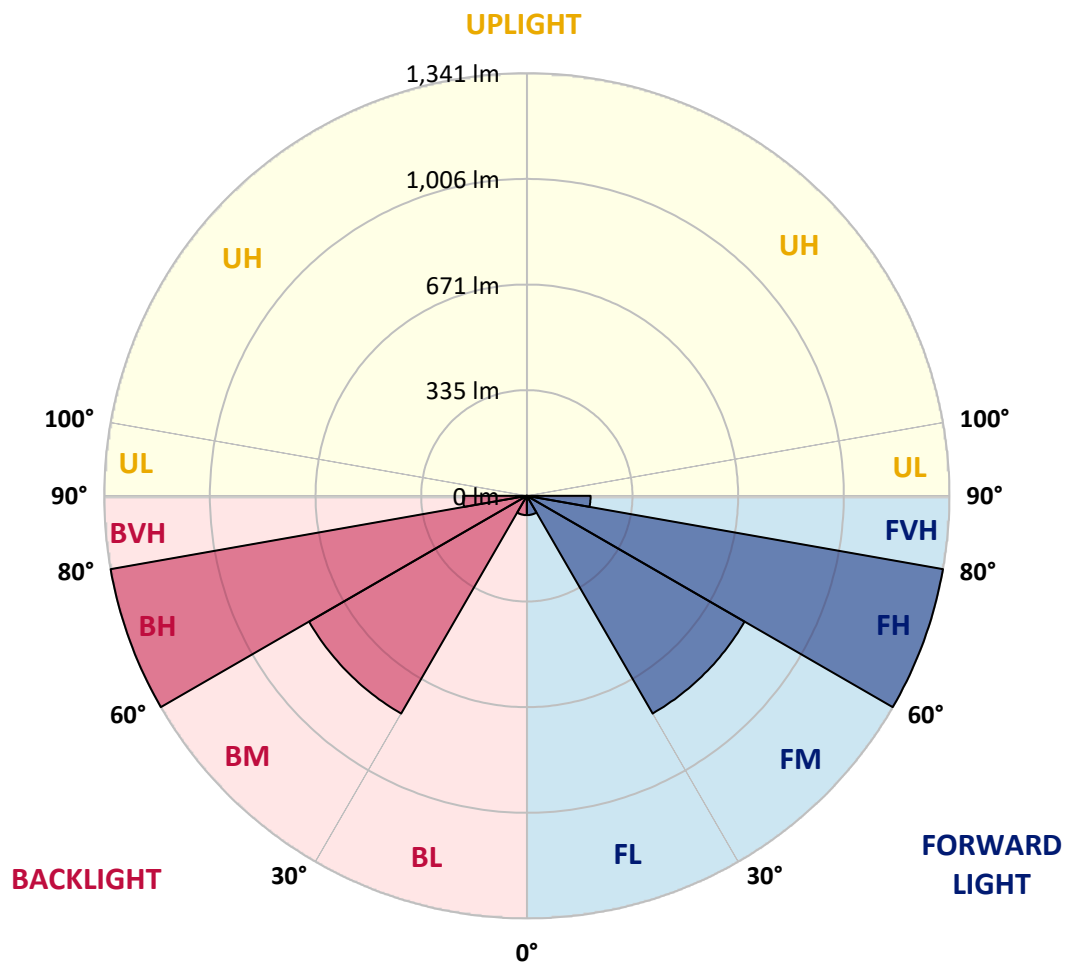
CATALOG NUMBER: TT-D3-735-24VDC-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	61.3	1.3			
FM	(30°-60°)	797.9	16.6			
FH	(60°-80°)	1341.0	27.9			G1/1800
FVH	(80°-90°)	202.3	4.2			G2/225
BL	(0°-30°)	61.3	1.3	B0/110		
BM	(30°-60°)	797.9	16.6	B1/1000		
BH	(60°-80°)	1341.0	27.9	B3/2500		G3/2500
BVH	(80°-90°)	202.3	4.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short





REPORT NUMBER: P821229

CATALOG NUMBER: TT-D3-735-24VDC-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
2.5°	88.9	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
5°	92.3	92.3	92.3	92.3	93.5	93.5	92.3	92.3	92.3	92.3	92.3
7.5°	98.0	96.9	98.0	98.0	98.0	96.9	96.9	96.9	95.8	95.8	95.8
10°	103.7	103.7	104.9	103.7	103.7	102.6	102.6	102.6	101.5	101.5	101.5
12.5°	111.7	111.7	111.7	111.7	110.6	110.6	109.5	108.3	107.2	107.2	107.2
15°	122.0	120.9	120.9	119.7	118.6	117.4	116.3	116.3	115.2	115.2	115.2
17.5°	132.3	132.3	131.1	130.0	127.7	126.6	126.6	125.4	124.3	124.3	124.3
20°	144.8	144.8	143.7	141.4	139.1	138.0	136.8	136.8	135.7	135.7	135.7
22.5°	159.6	158.5	156.2	153.9	151.6	150.5	149.4	148.2	148.2	148.2	148.2
25°	175.6	174.4	173.3	169.9	166.5	165.3	163.0	163.0	161.9	163.0	163.0
27.5°	195.0	193.8	191.5	188.1	183.6	181.3	180.1	180.1	181.3	181.3	182.4
30°	218.9	216.6	214.3	209.8	205.2	201.8	201.8	202.9	206.4	208.6	208.6
32.5°	247.4	246.3	242.8	238.3	230.3	228.0	230.3	237.1	241.7	245.1	247.4
35°	280.5	279.3	274.8	266.8	261.1	259.9	266.8	278.2	293.0	297.6	299.8
37.5°	316.9	318.1	312.4	303.3	297.6	299.8	313.5	335.2	350.0	360.3	362.6
40°	362.6	364.8	358.0	347.7	342.0	351.2	372.8	397.9	424.1	436.7	440.1
42.5°	416.1	419.6	410.4	400.2	396.8	411.6	442.4	483.4	530.1	545.0	550.7
45°	482.3	484.5	473.1	464.0	461.7	488.0	540.4	608.8	682.9	717.1	722.8
47.5°	560.9	559.8	549.5	538.1	540.4	578.0	656.7	749.0	827.7	880.2	891.6
50°	651.0	645.3	637.3	623.6	638.5	693.2	792.4	904.1	1036.4	1083.1	1103.6
52.5°	741.1	730.8	724.0	714.8	741.1	811.8	950.8	1145.8	1345.3	1452.5	1474.2
55°	822.0	814.0	810.6	811.8	852.8	954.3	1136.7	1386.4	1579.0	1668.0	1683.9
57.5°	901.8	897.3	893.8	900.7	965.7	1097.9	1303.1	1536.9	1695.3	1761.5	1772.9
60°	977.1	981.6	979.3	999.9	1078.5	1211.9	1389.8	1620.1	1772.9	1833.3	1845.8
62.5°	1060.3	1063.7	1063.7	1086.5	1150.4	1267.8	1449.1	1718.1	1912.0	2000.9	2014.6
65°	1132.1	1134.4	1139.0	1140.1	1199.4	1316.8	1554.0	1808.2	1981.5	2084.1	2093.2
67.5°	1185.7	1188.0	1182.3	1176.6	1222.2	1328.2	1546.0	1796.8	1950.7	2028.2	2035.1
70°	1229.0	1218.8	1202.8	1174.3	1189.1	1268.9	1479.9	1705.6	1860.7	1930.2	1940.5
72.5°	1234.7	1225.6	1175.4	1111.6	1093.4	1162.9	1363.6	1566.5	1699.9	1766.0	1767.2
75°	1200.5	1176.6	1093.4	997.6	963.4	1029.5	1201.7	1386.4	1493.5	1549.4	1555.1
77.5°	1085.4	1062.6	957.7	848.2	809.5	866.5	1012.4	1161.8	1264.4	1319.1	1322.5
80°	881.3	873.3	777.6	677.2	630.5	663.5	791.2	908.7	991.9	1056.9	1062.6
82.5°	649.9	643.0	570.1	482.3	444.6	472.0	563.2	649.9	727.4	779.8	783.3
85°	405.9	392.2	346.6	285.0	259.9	278.2	338.6	396.8	466.3	507.3	509.6
87.5°	135.7	130.0	111.7	92.3	77.5	80.9	99.2	120.9	176.7	195.0	206.4
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)