

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: P400667

Luminaire Tested: **TT-D5-827-U-WQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D5-827-U-WQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7961 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 74.7
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: 28.75 FT

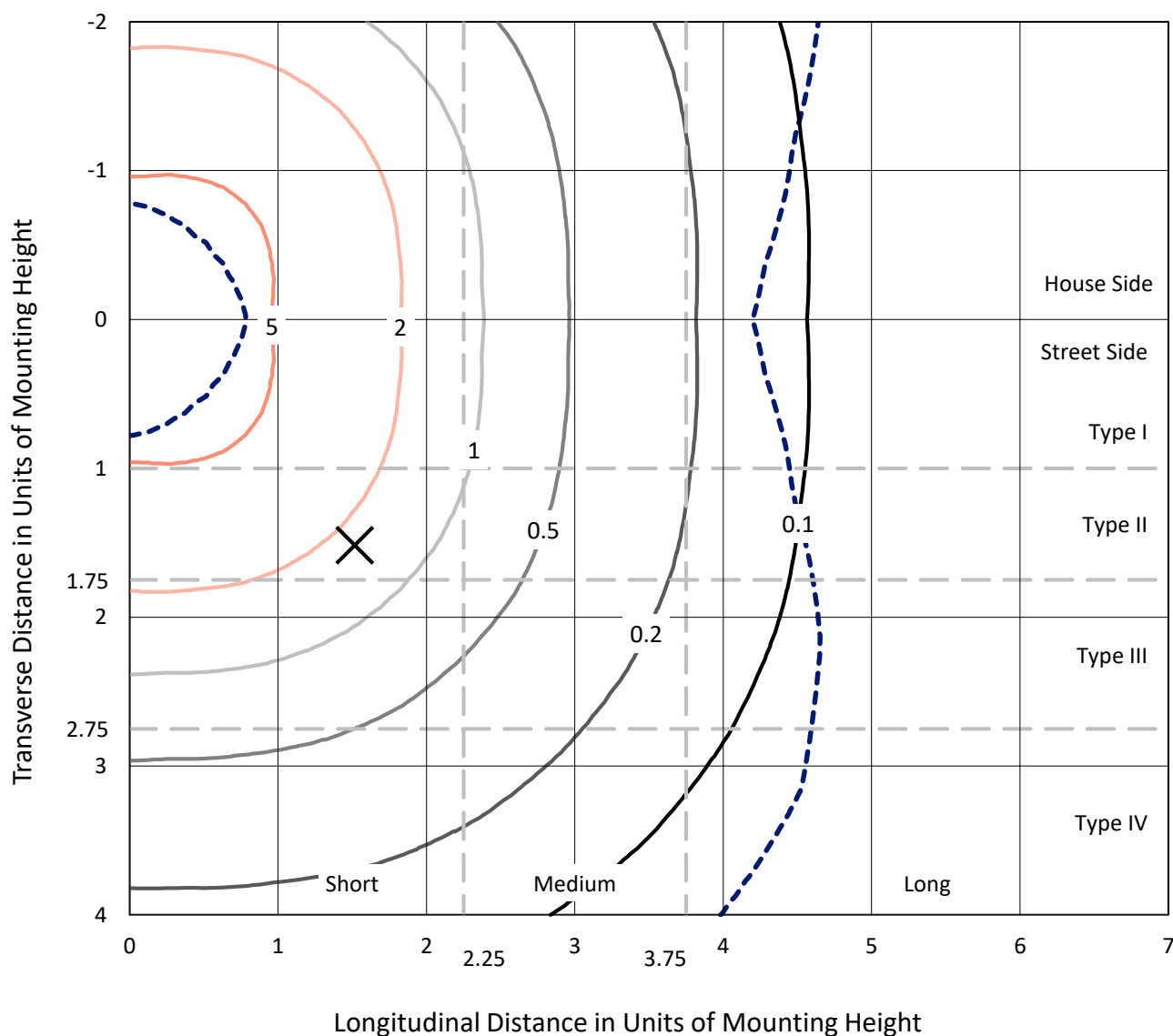


REPORT NUMBER: P400667

CATALOG NUMBER: TT-D5-827-U-WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

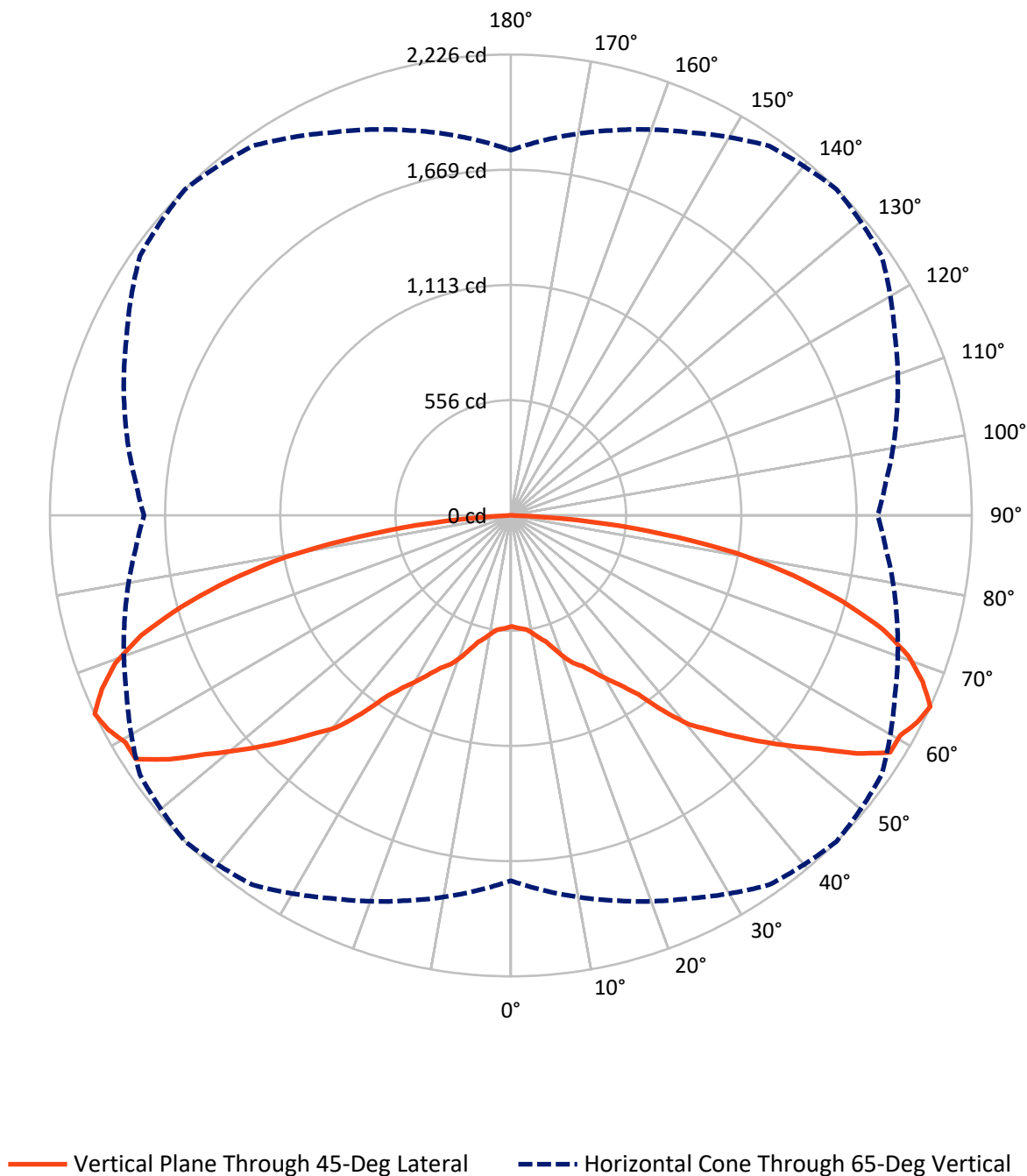


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P400667

CATALOG NUMBER: TT-D5-827-U-WQ

Luminous Intensity Polar Plot



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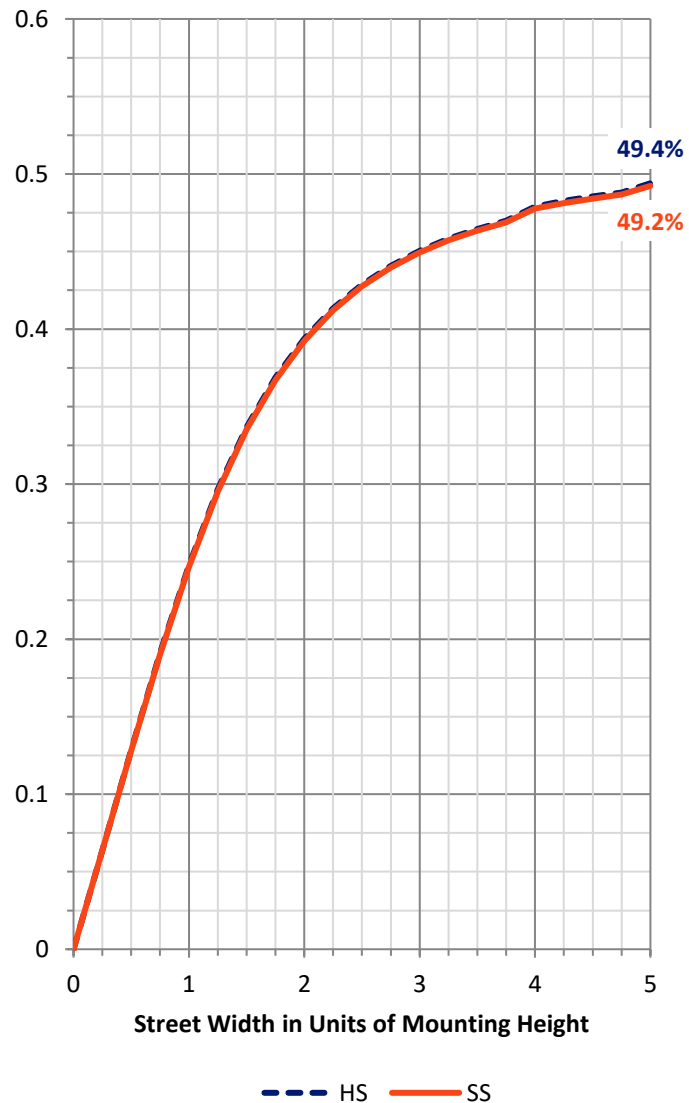
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3980.5	0.0	3980.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3980.5	0.0	3980.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7961.0	0.0	7961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	0.7
10°-20°	183.8	2.3
20°-30°	377.3	4.7
30°-40°	670.4	8.4
40°-50°	1130.0	14.2
50°-60°	1667.0	20.9
60°-70°	1956.4	24.6
70°-80°	1524.2	19.1
80°-90°	398.5	5.0
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°	7961.0	100.0
0°-180°	7961.0	100.0

Coefficient of Utilization



REPORT NUMBER: P400667

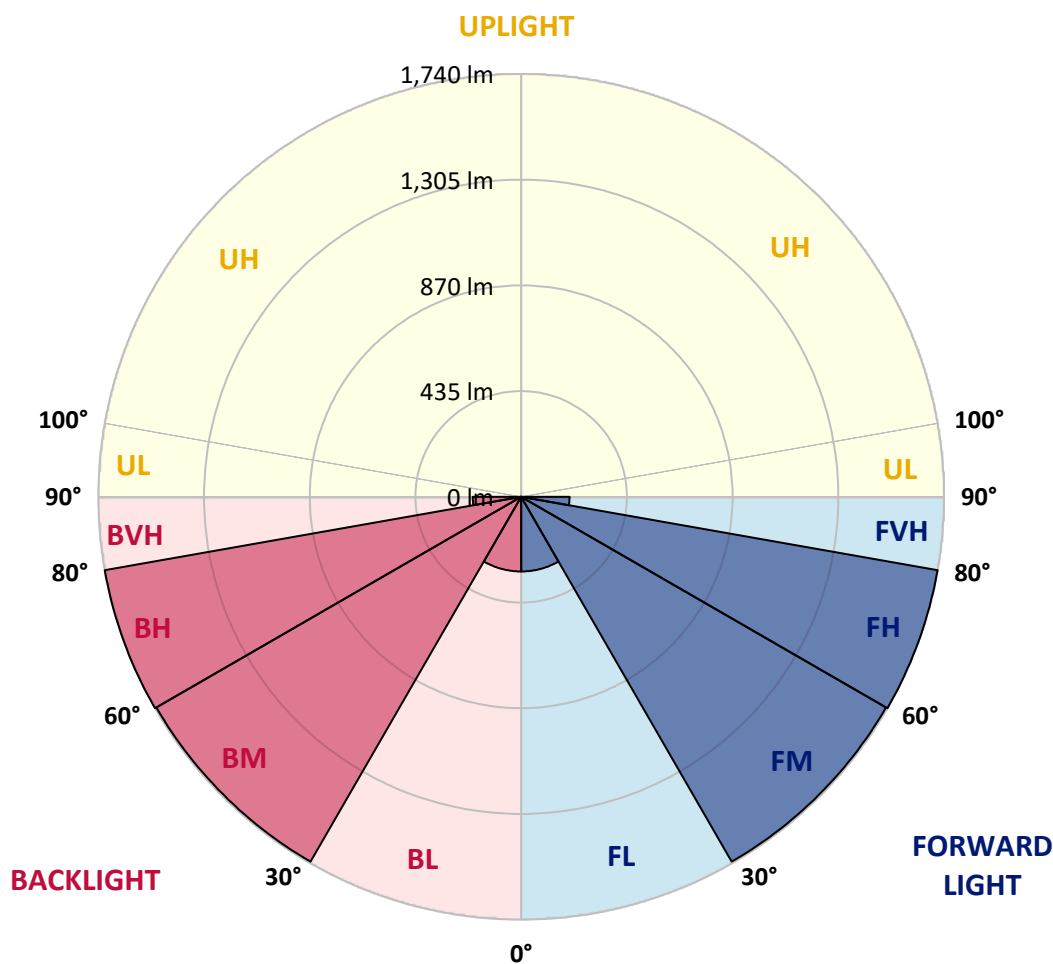
CATALOG NUMBER: TT-D5-827-U-WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.3	3.9			
FM	(30°-60°)	1733.7	21.8			
FH	(60°-80°)	1740.3	21.9			G1/1800
FVH	(80°-90°)	199.2	2.5			G2/225
BL	(0°-30°)	307.3	3.9	B1/500		
BM	(30°-60°)	1733.7	21.8	B2/2500		
BH	(60°-80°)	1740.3	21.9	B3/2500		G1/1800
BVH	(80°-90°)	199.2	2.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P400667

CATALOG NUMBER: TT-D5-827-U-WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8	535.8
2.5°	544.6	544.6	544.6	543.3	543.3	543.3	543.3	544.6	544.6	544.6	544.6
5°	557.1	557.1	554.6	552.1	549.6	549.6	550.8	552.1	553.3	555.8	555.8
7.5°	564.6	564.6	563.3	560.8	557.1	557.1	558.3	560.8	562.1	562.1	560.8
10°	574.6	575.9	579.6	580.9	578.4	578.4	579.6	580.9	578.4	574.6	574.6
12.5°	598.4	599.6	604.7	608.4	608.4	605.9	607.2	609.7	603.4	597.1	598.4
15°	632.2	632.2	633.4	637.2	634.7	632.2	634.7	635.9	632.2	630.9	633.4
17.5°	677.3	677.3	669.8	676.0	677.3	676.0	678.5	672.3	668.5	673.5	676.0
20°	726.1	721.1	717.3	722.3	732.3	728.6	733.6	719.8	716.1	718.6	719.8
22.5°	757.4	761.1	763.6	766.1	779.9	774.9	779.9	764.9	762.4	757.4	753.6
25°	794.9	798.7	813.7	806.2	815.0	807.5	813.7	805.0	810.0	794.9	794.9
27.5°	837.5	845.0	853.8	850.0	861.3	857.5	861.3	848.8	850.0	843.8	841.3
30°	895.1	895.1	892.6	900.1	920.1	917.6	918.9	902.6	891.3	892.6	897.6
32.5°	952.7	945.2	948.9	971.5	984.0	979.0	981.5	974.0	948.9	943.9	947.7
35°	1006.5	1017.8	1026.5	1045.3	1062.8	1060.3	1059.1	1046.6	1030.3	1010.3	1004.0
37.5°	1090.4	1102.9	1126.7	1160.5	1191.8	1198.0	1181.8	1165.5	1127.9	1099.1	1084.1
40°	1200.5	1201.8	1229.3	1294.4	1323.2	1328.2	1319.5	1291.9	1234.3	1201.8	1200.5
42.5°	1296.9	1288.2	1333.2	1388.3	1414.6	1417.1	1410.9	1388.3	1333.2	1286.9	1295.7
45°	1372.0	1372.0	1425.9	1469.7	1512.3	1522.3	1511.0	1463.4	1427.1	1373.3	1369.5
47.5°	1440.9	1459.7	1504.7	1558.6	1618.7	1632.4	1618.7	1562.3	1501.0	1460.9	1439.6
50°	1523.5	1546.1	1578.6	1662.5	1730.1	1748.9	1728.8	1667.5	1578.6	1544.8	1532.3
52.5°	1619.9	1638.7	1690.0	1795.2	1845.3	1872.8	1856.5	1797.7	1692.5	1641.2	1631.2
55°	1735.1	1717.6	1797.7	1899.1	1991.7	2028.0	1995.5	1901.6	1810.2	1717.6	1735.1
57.5°	1793.9	1773.9	1886.6	1983.0	2111.9	2159.5	2119.4	1990.5	1886.6	1780.2	1792.7
60°	1798.9	1807.7	1892.8	2050.6	2139.4	2159.5	2147.0	2061.8	1896.6	1815.2	1791.4
62.5°	1783.9	1837.7	1910.4	2073.1	2153.2	2202.0	2159.5	2075.6	1917.9	1846.5	1785.2
65°	1763.9	1817.7	1925.4	2040.5	2177.0	2225.8	2185.8	2046.8	1930.4	1817.7	1771.4
67.5°	1728.8	1710.1	1842.8	1996.7	2115.7	2144.5	2119.4	1999.2	1841.5	1707.5	1732.6
70°	1617.4	1601.1	1715.1	1884.1	1998.0	2038.0	2008.0	1886.6	1717.6	1604.9	1619.9
72.5°	1452.2	1457.2	1567.3	1728.8	1851.5	1876.6	1860.3	1727.6	1573.6	1463.4	1443.4
75°	1259.4	1271.9	1377.1	1523.5	1634.9	1650.0	1633.7	1529.8	1375.8	1279.4	1253.1
77.5°	1035.3	1054.1	1139.2	1285.7	1359.5	1393.3	1367.0	1289.4	1145.5	1059.1	1032.8
80°	802.4	808.7	868.8	986.5	1084.1	1106.7	1081.6	990.2	876.3	811.2	792.4
82.5°	525.8	535.8	589.6	679.8	743.6	737.4	743.6	672.3	595.9	533.3	502.0
85°	234.1	254.1	290.4	333.0	374.3	385.6	374.3	338.0	290.4	249.1	244.1
87.5°	16.3	18.8	22.5	23.8	26.3	20.0	20.0	20.0	17.5	20.0	16.3
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)