

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: P400649

Luminaire Tested: **TT-D4-827-U-WQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400649
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-D4-827-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: 6325 lumens
Efficiency: N/A
Efficacy: 109.8 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): 57.6
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



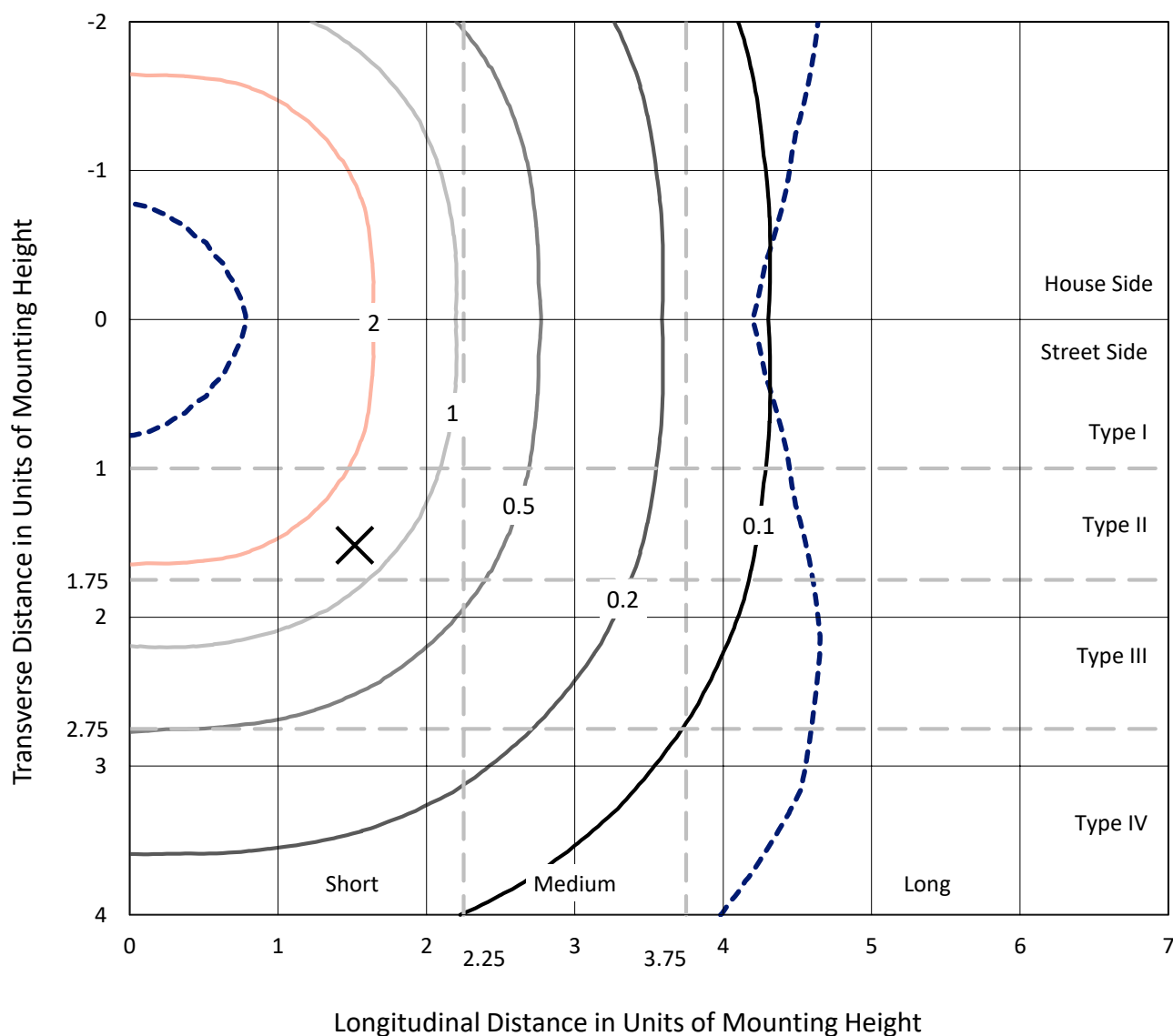
REPORT NUMBER: P400649

CATALOG NUMBER: TT-D4-827-U-WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

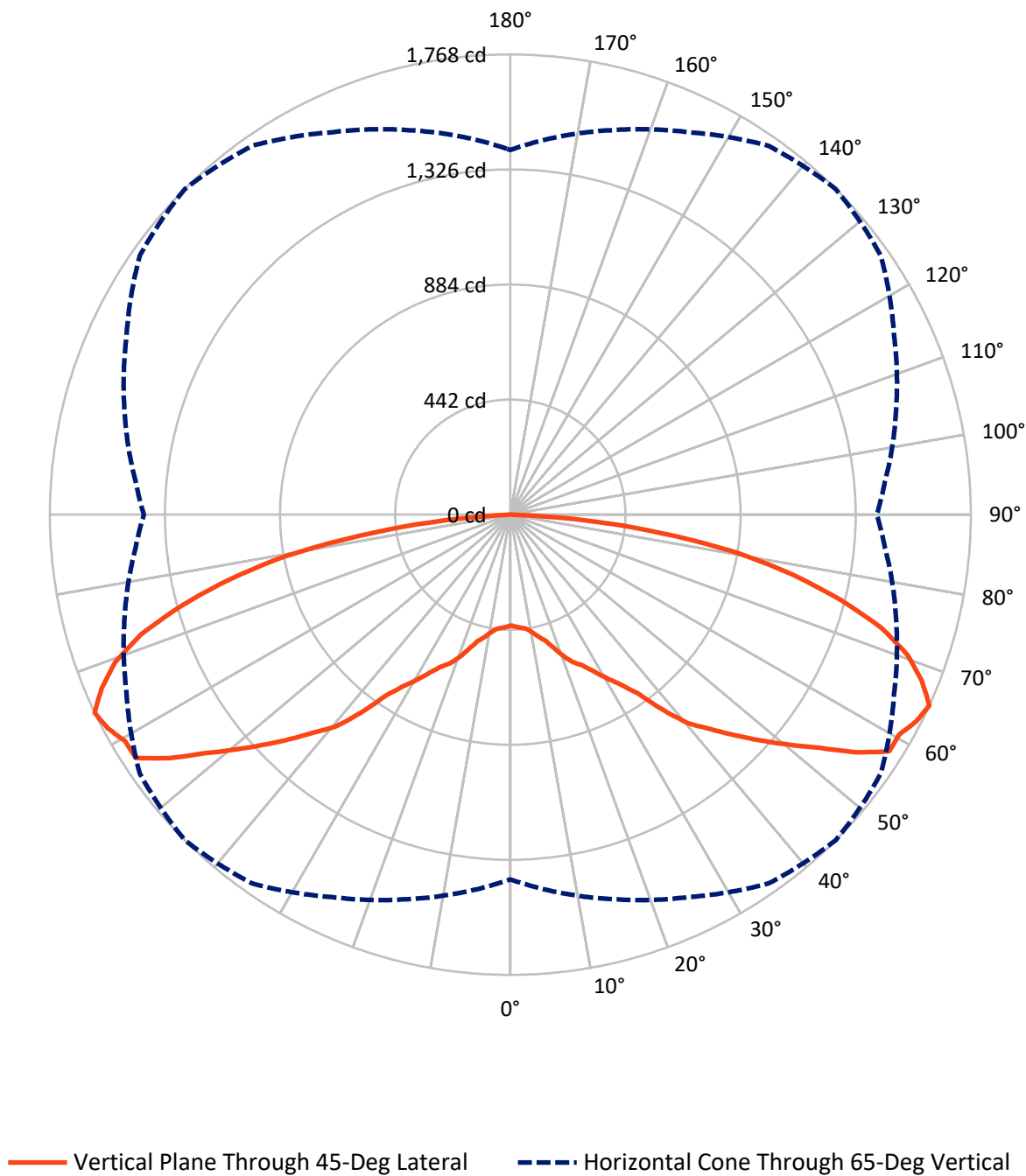


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P400649

CATALOG NUMBER: TT-D4-827-U-WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P400649

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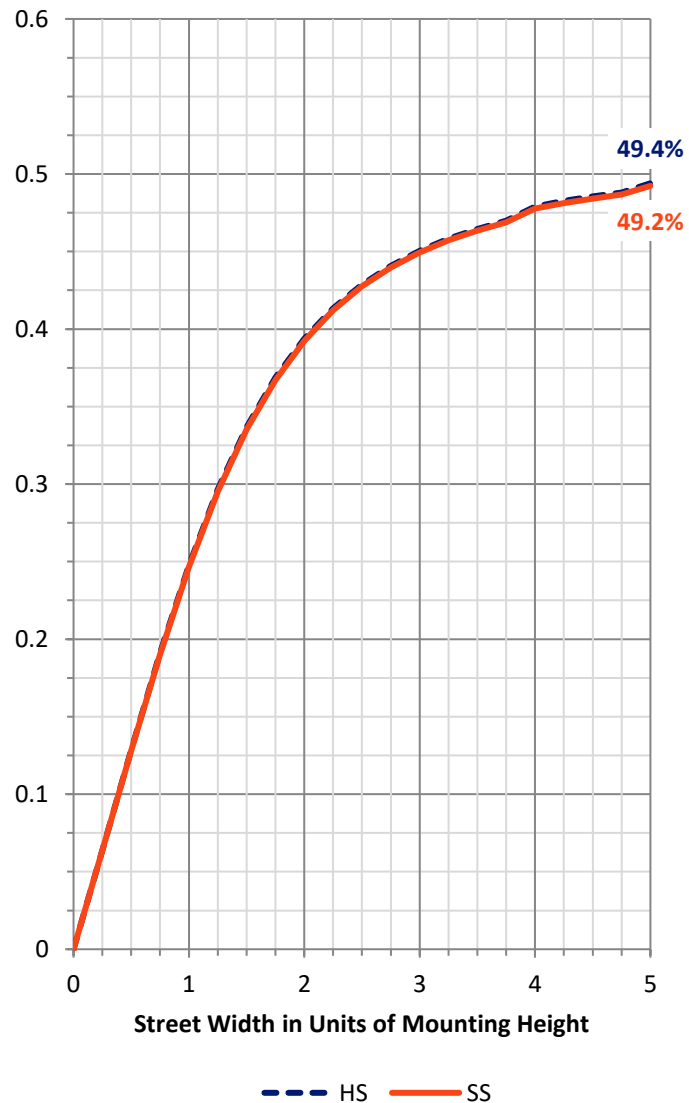
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3162.5	0.0	3162.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3162.5	0.0	3162.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6325.0	0.0	6325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	0.7
10°-20°	146.0	2.3
20°-30°	299.8	4.7
30°-40°	532.6	8.4
40°-50°	897.8	14.2
50°-60°	1324.4	20.9
60°-70°	1554.4	24.6
70°-80°	1211.0	19.1
80°-90°	316.6	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°	6325.0	100.0
0°-180°	6325.0	100.0

Coefficient of Utilization



REPORT NUMBER: P400649

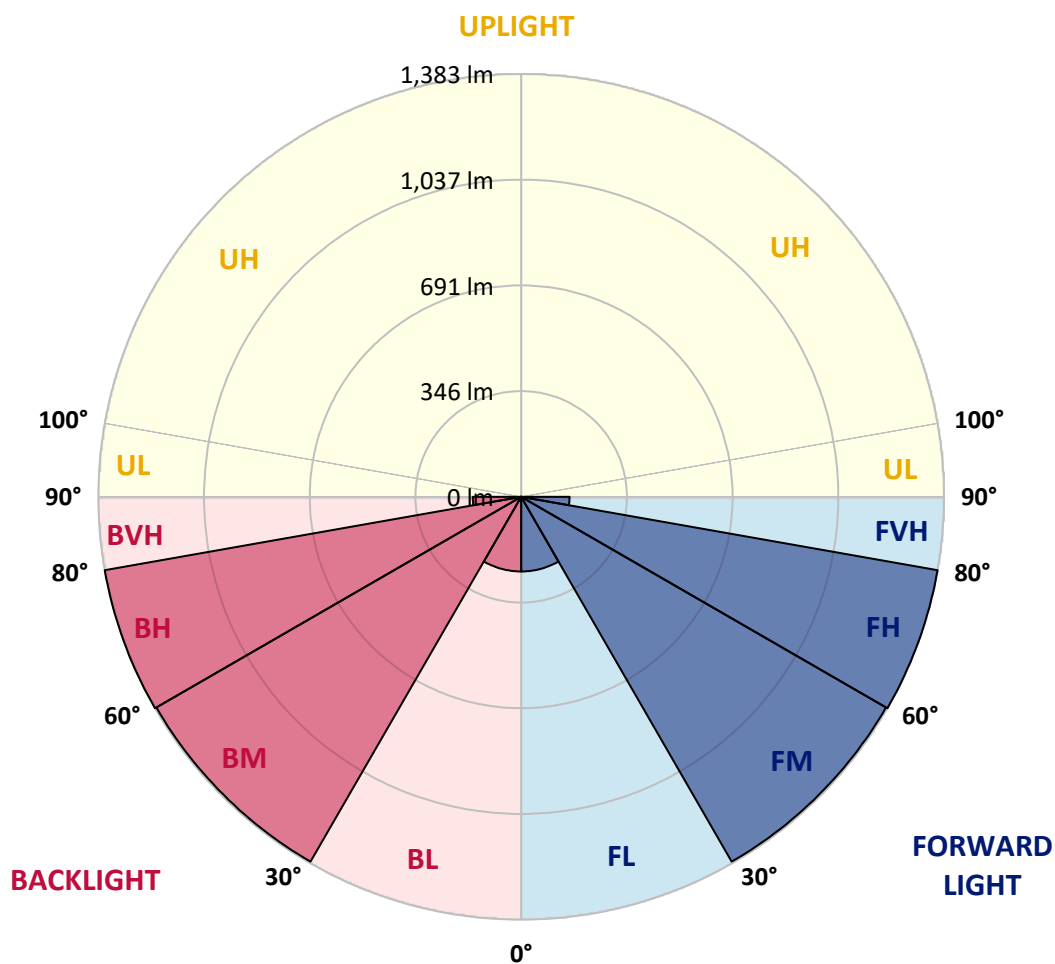
CATALOG NUMBER: TT-D4-827-U-WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	244.1	3.9			
FM	(30°-60°)	1377.4	21.8			
FH	(60°-80°)	1382.7	21.9			G1/1800
FVH	(80°-90°)	158.3	2.5			G2/225
BL	(0°-30°)	244.1	3.9	B1/500		
BM	(30°-60°)	1377.4	21.8	B2/2500		
BH	(60°-80°)	1382.7	21.9	B3/2500		G1/1800
BVH	(80°-90°)	158.3	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





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CATALOG NUMBER: TT-D4-827-U-WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7
2.5°	432.7	432.7	432.7	431.7	431.7	431.7	431.7	432.7	432.7	432.7	432.7
5°	442.6	442.6	440.6	438.6	436.6	436.6	437.6	438.6	439.6	441.6	441.6
7.5°	448.6	448.6	447.6	445.6	442.6	442.6	443.6	445.6	446.6	446.6	445.6
10°	456.5	457.5	460.5	461.5	459.5	459.5	460.5	461.5	459.5	456.5	456.5
12.5°	475.4	476.4	480.4	483.4	483.4	481.4	482.4	484.4	479.4	474.4	475.4
15°	502.3	502.3	503.3	506.3	504.3	502.3	504.3	505.3	502.3	501.3	503.3
17.5°	538.1	538.1	532.1	537.1	538.1	537.1	539.1	534.1	531.1	535.1	537.1
20°	576.9	572.9	569.9	573.9	581.8	578.9	582.8	571.9	568.9	570.9	571.9
22.5°	601.7	604.7	606.7	608.7	619.6	615.7	619.6	607.7	605.7	601.7	598.8
25°	631.6	634.6	646.5	640.5	647.5	641.5	646.5	639.5	643.5	631.6	631.6
27.5°	665.4	671.4	678.3	675.3	684.3	681.3	684.3	674.3	675.3	670.4	668.4
30°	711.1	711.1	709.2	715.1	731.0	729.0	730.0	717.1	708.2	709.2	713.1
32.5°	756.9	750.9	753.9	771.8	781.8	777.8	779.8	773.8	753.9	749.9	752.9
35°	799.7	808.6	815.6	830.5	844.4	842.4	841.4	831.5	818.6	802.6	797.7
37.5°	866.3	876.2	895.1	922.0	946.9	951.8	938.9	926.0	896.1	873.3	861.3
40°	953.8	954.8	976.7	1028.4	1051.3	1055.3	1048.3	1026.4	980.7	954.8	953.8
42.5°	1030.4	1023.5	1059.3	1103.0	1123.9	1125.9	1120.9	1103.0	1059.3	1022.5	1029.4
45°	1090.1	1090.1	1132.9	1167.7	1201.5	1209.4	1200.5	1162.7	1133.9	1091.1	1088.1
47.5°	1144.8	1159.7	1195.5	1238.3	1286.0	1297.0	1286.0	1241.3	1192.5	1160.7	1143.8
50°	1210.4	1228.3	1254.2	1320.8	1374.5	1389.5	1373.6	1324.8	1254.2	1227.3	1217.4
52.5°	1287.0	1301.9	1342.7	1426.3	1466.1	1487.9	1475.0	1428.3	1344.7	1303.9	1296.0
55°	1378.5	1364.6	1428.3	1508.8	1582.4	1611.3	1585.4	1510.8	1438.2	1364.6	1378.5
57.5°	1425.3	1409.4	1498.9	1575.5	1677.9	1715.7	1683.9	1581.4	1498.9	1414.3	1424.3
60°	1429.3	1436.2	1503.8	1629.2	1699.8	1715.7	1705.8	1638.1	1506.8	1442.2	1423.3
62.5°	1417.3	1460.1	1517.8	1647.1	1710.7	1749.5	1715.7	1649.1	1523.7	1467.0	1418.3
65°	1401.4	1444.2	1529.7	1621.2	1729.6	1768.4	1736.6	1626.2	1533.7	1444.2	1407.4
67.5°	1373.6	1358.6	1464.1	1586.4	1680.9	1703.8	1683.9	1588.4	1463.1	1356.6	1376.5
70°	1285.0	1272.1	1362.6	1496.9	1587.4	1619.2	1595.4	1498.9	1364.6	1275.1	1287.0
72.5°	1153.7	1157.7	1245.2	1373.6	1471.0	1490.9	1478.0	1372.6	1250.2	1162.7	1146.8
75°	1000.6	1010.5	1094.1	1210.4	1299.0	1310.9	1298.0	1215.4	1093.1	1016.5	995.6
77.5°	822.5	837.5	905.1	1021.5	1080.1	1107.0	1086.1	1024.4	910.1	841.4	820.6
80°	637.5	642.5	690.3	783.8	861.3	879.2	859.3	786.7	696.2	644.5	629.6
82.5°	417.7	425.7	468.5	540.1	590.8	585.8	590.8	534.1	473.4	423.7	398.8
85°	186.0	201.9	230.7	264.6	297.4	306.3	297.4	268.5	230.7	197.9	193.9
87.5°	12.9	14.9	17.9	18.9	20.9	15.9	15.9	15.9	13.9	15.9	12.9
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)