

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: P821232

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

Issue Date: 5/19/2020



Test Information

Test Method: LM-79-08
Report Number: P821232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/19/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D3-735-24VDC-WQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
3500K, 70 CRI LEDS AND WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

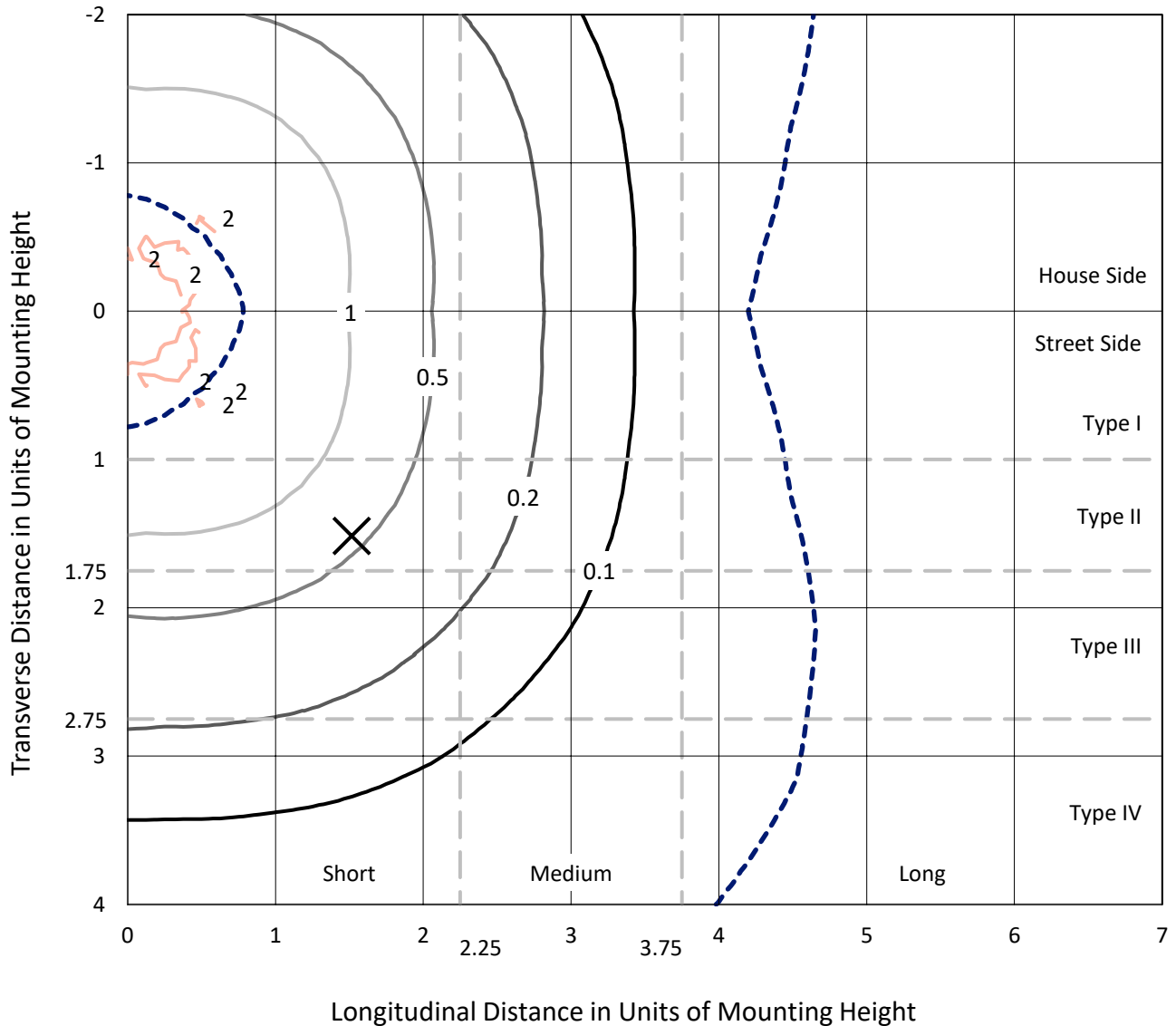
Lumens per Lamp: N/A
Luminaire Lumens: 6011 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 46
Input Voltage (V): NR
Input Current (A_{in}): 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

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Iso-Footcandle Lines of Horizontal Illumination

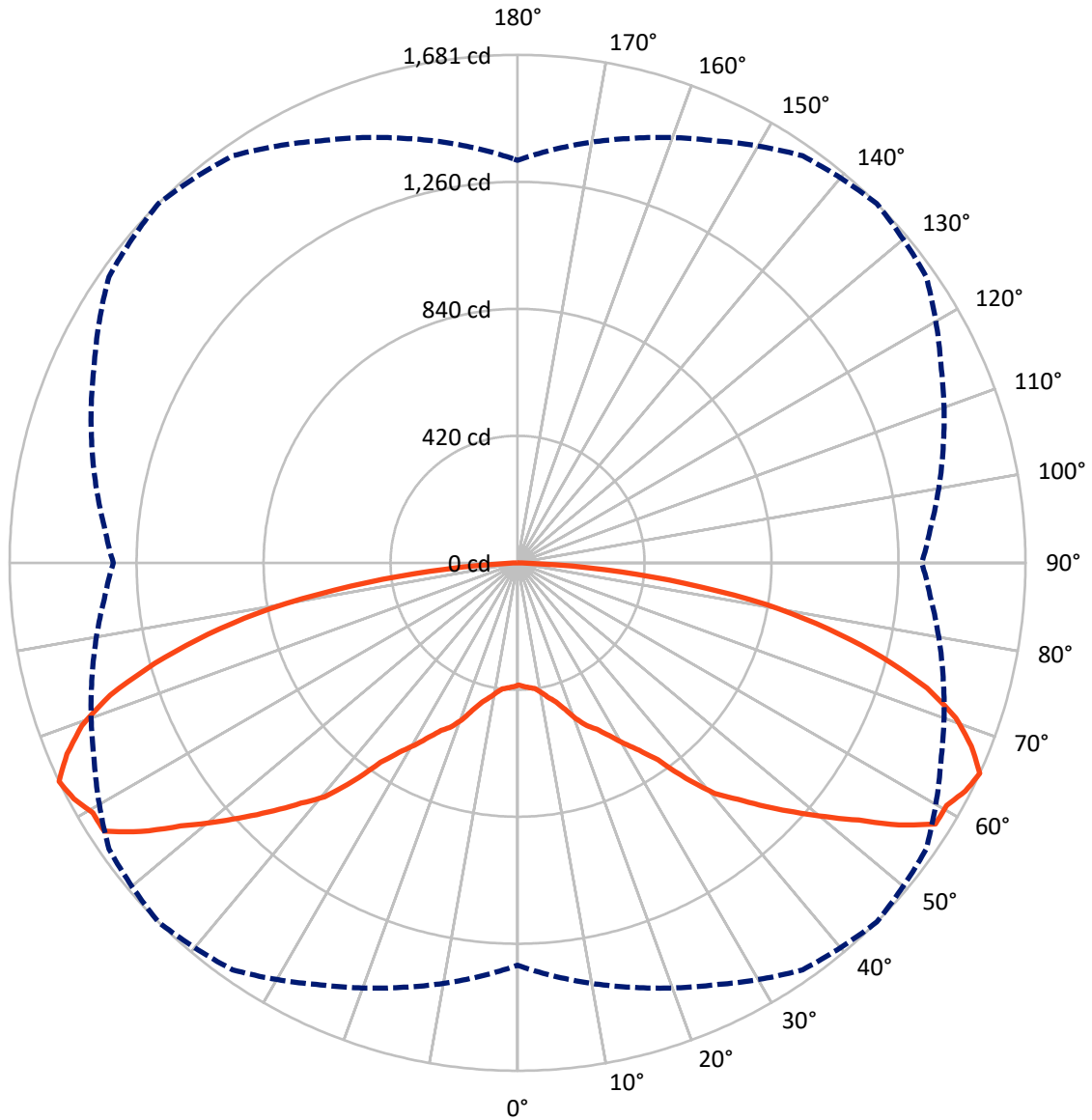
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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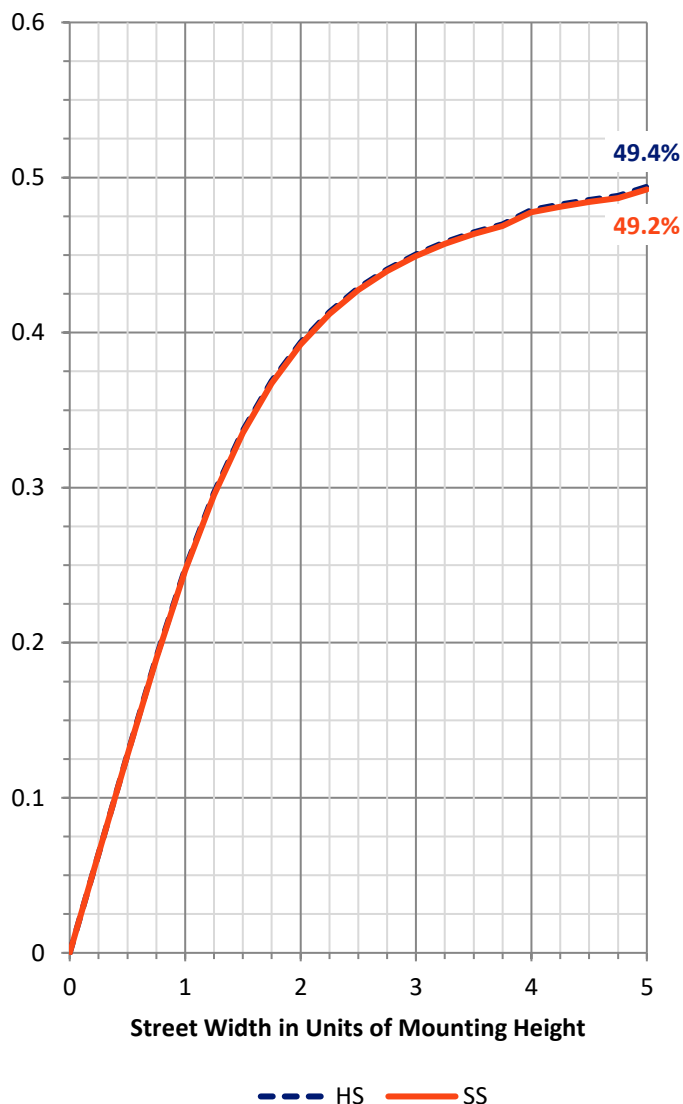
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3005.5	0.0	3005.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3005.5	0.0	3005.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6011.0	0.0	6011.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	0.7
10°-20°	138.8	2.3
20°-30°	284.9	4.7
30°-40°	506.2	8.4
40°-50°	853.3	14.2
50°-60°	1258.7	20.9
60°-70°	1477.2	24.6
70°-80°	1150.9	19.1
80°-90°	300.9	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°	6011.0	100.0
0°-180°	6011.0	100.0

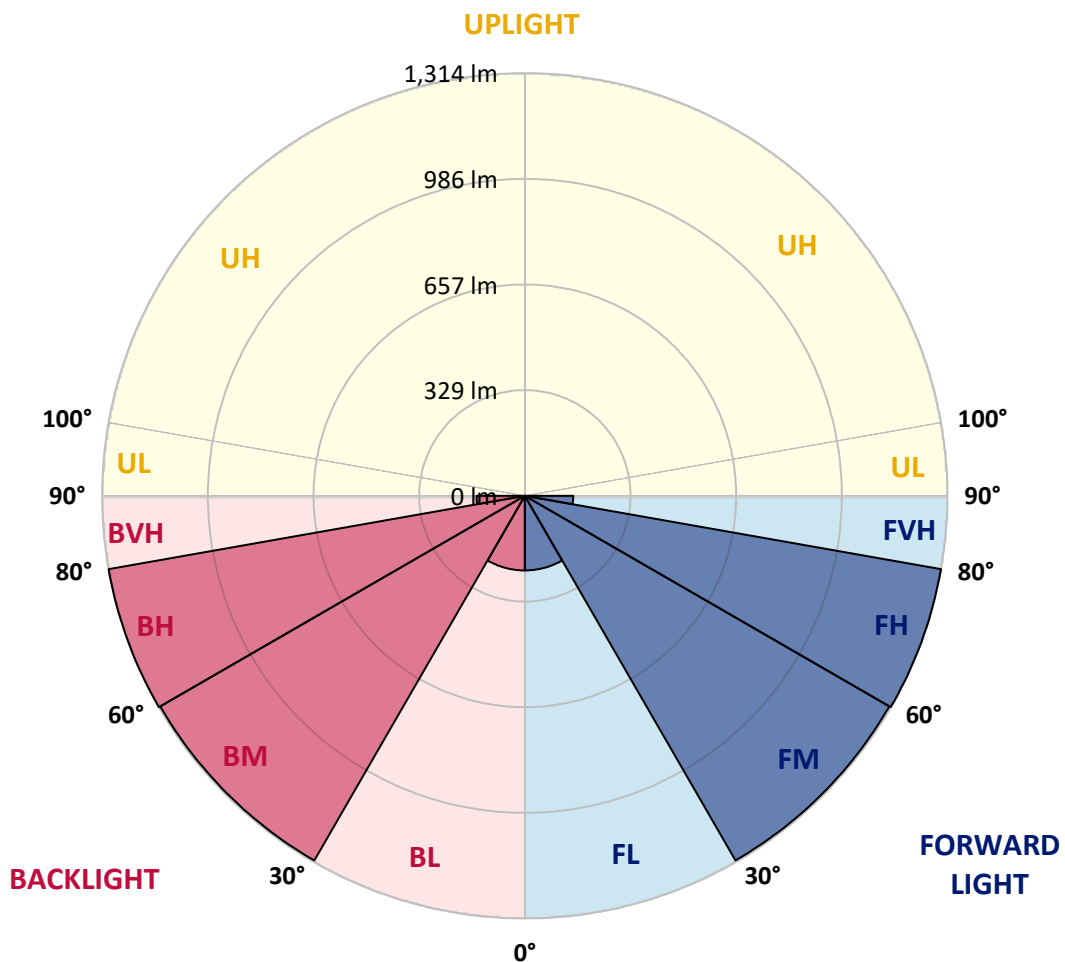


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.0	3.9			
FM (30°-60°)	1309.1	21.8			
FH (60°-80°)	1314.0	21.9			G1/1800
FVH (80°-90°)	150.4	2.5			G2/225
BL (0°-30°)	232.0	3.9	B1/500		
BM (30°-60°)	1309.1	21.8	B2/2500		
BH (60°-80°)	1314.0	21.9	B3/2500		G1/1800
BVH (80°-90°)	150.4	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	404.6	404.6	404.6	404.6	404.6	404.6	404.6	404.6	404.6	404.6	404.6
2.5°	411.2	411.2	411.2	410.2	410.2	410.2	410.2	411.2	411.2	411.2	411.2
5°	420.6	420.6	418.7	416.8	415.0	415.0	415.9	416.8	417.8	419.7	419.7
7.5°	426.3	426.3	425.4	423.5	420.6	420.6	421.6	423.5	424.4	424.4	423.5
10°	433.9	434.8	437.6	438.6	436.7	436.7	437.6	438.6	436.7	433.9	433.9
12.5°	451.8	452.8	456.5	459.4	459.4	457.5	458.4	460.3	455.6	450.9	451.8
15°	477.3	477.3	478.3	481.1	479.2	477.3	479.2	480.2	477.3	476.4	478.3
17.5°	511.4	511.4	505.7	510.4	511.4	510.4	512.3	507.6	504.8	508.5	510.4
20°	548.2	544.5	541.6	545.4	553.0	550.1	553.9	543.5	540.7	542.6	543.5
22.5°	571.9	574.7	576.6	578.5	588.9	585.1	588.9	577.5	575.6	571.9	569.0
25°	600.2	603.1	614.4	608.7	615.3	609.7	614.4	607.8	611.6	600.2	600.2
27.5°	632.4	638.0	644.6	641.8	650.3	647.5	650.3	640.9	641.8	637.1	635.2
30°	675.8	675.8	673.9	679.6	694.7	692.9	693.8	681.5	673.0	673.9	677.7
32.5°	719.3	713.6	716.5	733.5	743.0	739.2	741.1	735.4	716.5	712.7	715.5
35°	760.0	768.5	775.1	789.3	802.5	800.6	799.7	790.2	777.9	762.8	758.1
37.5°	823.3	832.7	850.7	876.2	899.9	904.6	892.3	880.0	851.7	829.9	818.6
40°	906.5	907.4	928.2	977.4	999.1	1002.9	996.3	975.5	932.0	907.4	906.5
42.5°	979.3	972.6	1006.7	1048.3	1068.1	1070.0	1065.3	1048.3	1006.7	971.7	978.3
45°	1036.0	1036.0	1076.6	1109.7	1141.8	1149.4	1140.9	1105.0	1077.6	1036.9	1034.1
47.5°	1088.0	1102.1	1136.2	1176.8	1222.2	1232.6	1222.2	1179.6	1133.3	1103.1	1087.0
50°	1150.3	1167.4	1191.9	1255.3	1306.3	1320.5	1305.4	1259.0	1191.9	1166.4	1157.0
52.5°	1223.1	1237.3	1276.1	1355.5	1393.3	1414.1	1401.8	1357.4	1278.0	1239.2	1231.6
55°	1310.1	1296.9	1357.4	1433.9	1503.9	1531.3	1506.7	1435.8	1366.8	1296.9	1310.1
57.5°	1354.5	1339.4	1424.5	1497.2	1594.6	1630.5	1600.3	1502.9	1424.5	1344.1	1353.6
60°	1358.3	1364.9	1429.2	1548.3	1615.4	1630.5	1621.1	1556.8	1432.0	1370.6	1352.6
62.5°	1347.0	1387.6	1442.4	1565.3	1625.8	1662.7	1630.5	1567.2	1448.1	1394.2	1347.9
65°	1331.8	1372.5	1453.8	1540.7	1643.8	1680.6	1650.4	1545.5	1457.5	1372.5	1337.5
67.5°	1305.4	1291.2	1391.4	1507.6	1597.4	1619.2	1600.3	1509.5	1390.4	1289.3	1308.2
70°	1221.2	1209.0	1295.0	1422.6	1508.6	1538.8	1516.2	1424.5	1296.9	1211.8	1223.1
72.5°	1096.5	1100.2	1183.4	1305.4	1398.0	1416.9	1404.6	1304.4	1188.2	1105.0	1089.9
75°	950.9	960.4	1039.8	1150.3	1234.5	1245.8	1233.5	1155.1	1038.8	966.0	946.2
77.5°	781.7	795.9	860.2	970.8	1026.5	1052.0	1032.2	973.6	864.9	799.7	779.8
80°	605.9	610.6	656.0	744.8	818.6	835.6	816.7	747.7	661.7	612.5	598.3
82.5°	397.0	404.6	445.2	513.3	561.5	556.7	561.5	507.6	449.9	402.7	379.0
85°	176.8	191.9	219.3	251.4	282.6	291.1	282.6	255.2	219.3	188.1	184.3
87.5°	12.3	14.2	17.0	18.0	19.8	15.1	15.1	15.1	13.2	15.1	12.3
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)