

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: P400629

Luminaire Tested: **TT-D3-827-U-WQ**

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400629
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-D3-827-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: 5314 lumens
Efficiency: N/A
Efficacy: 112.6 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): 47.2
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



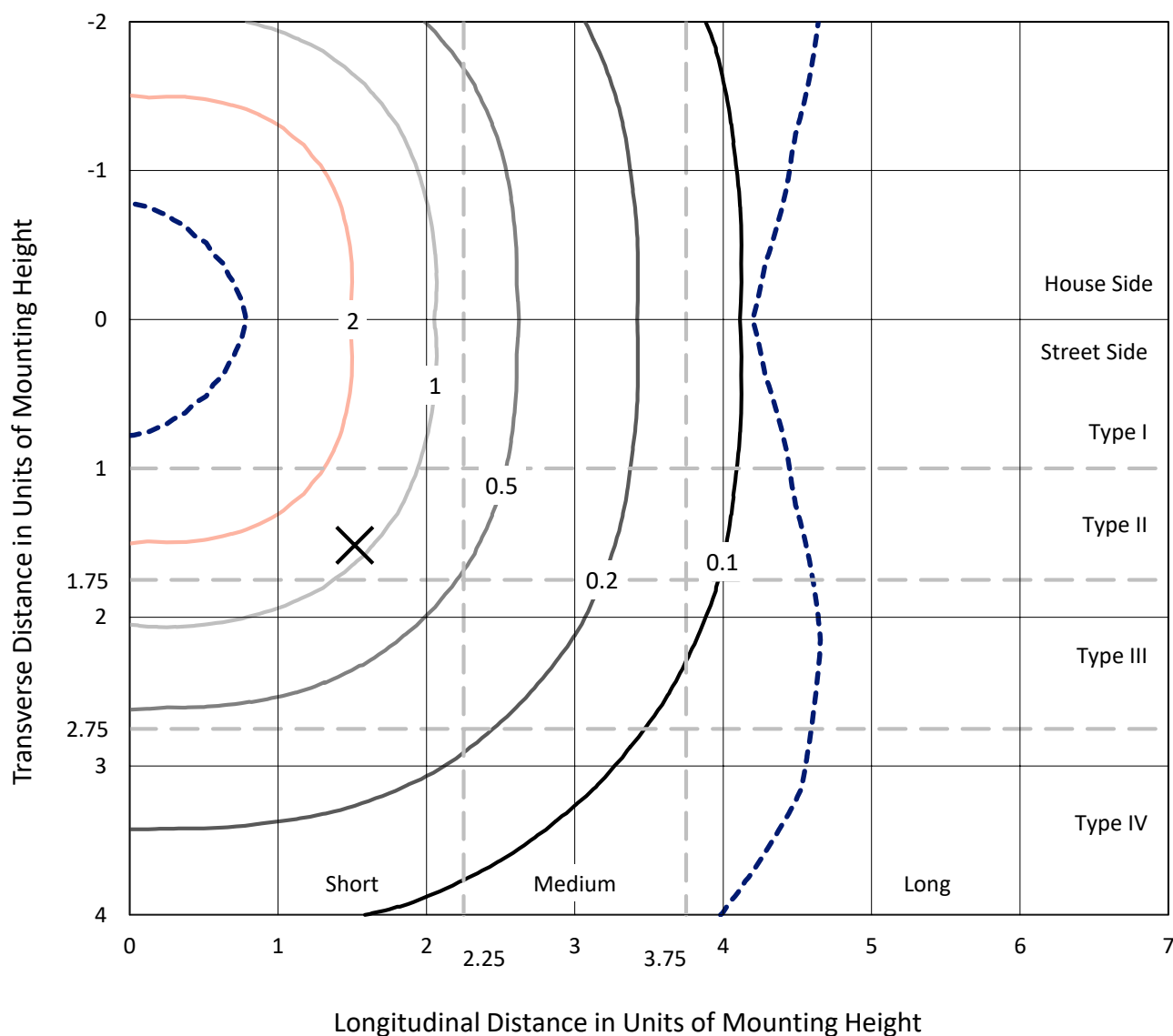
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

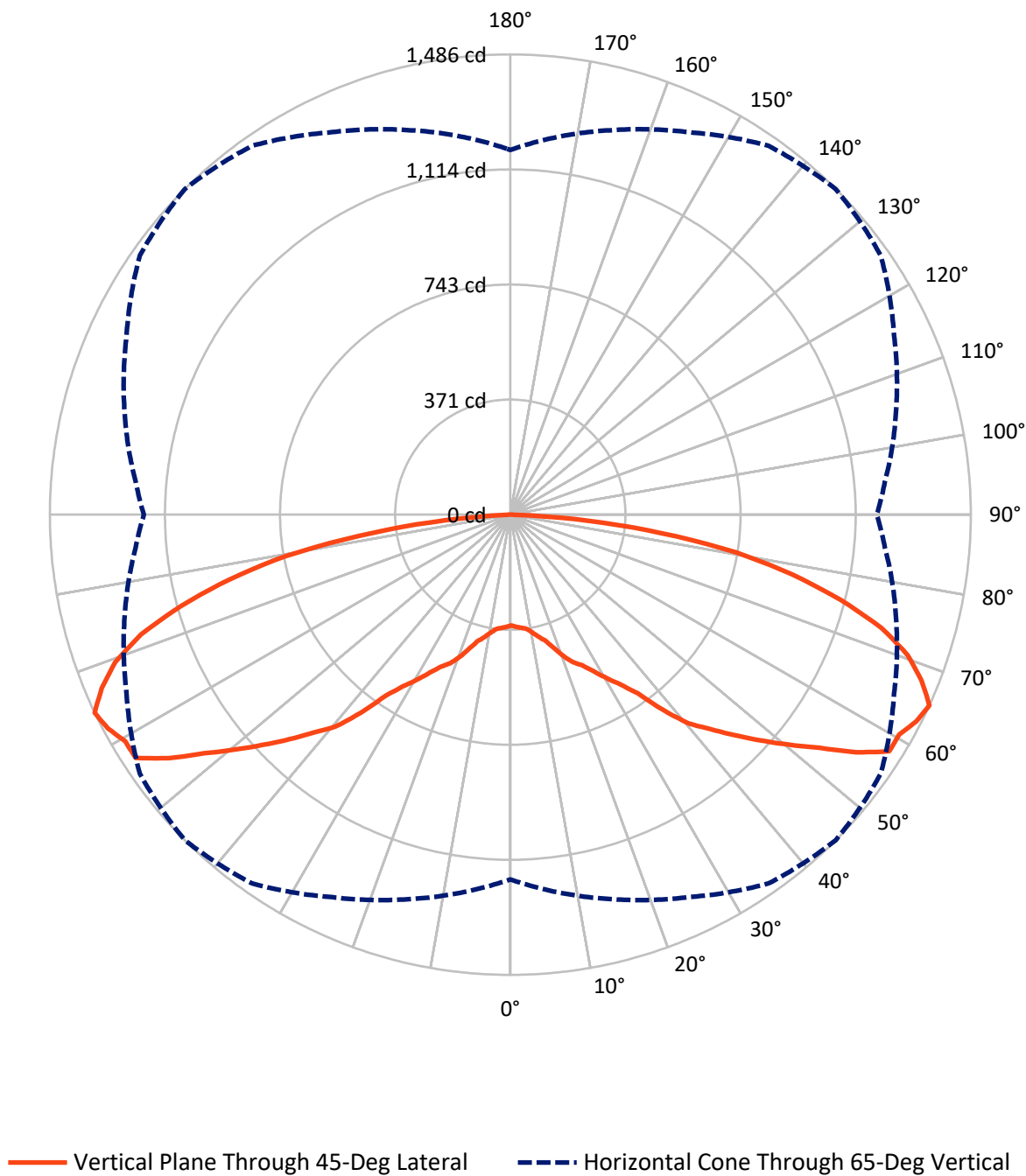


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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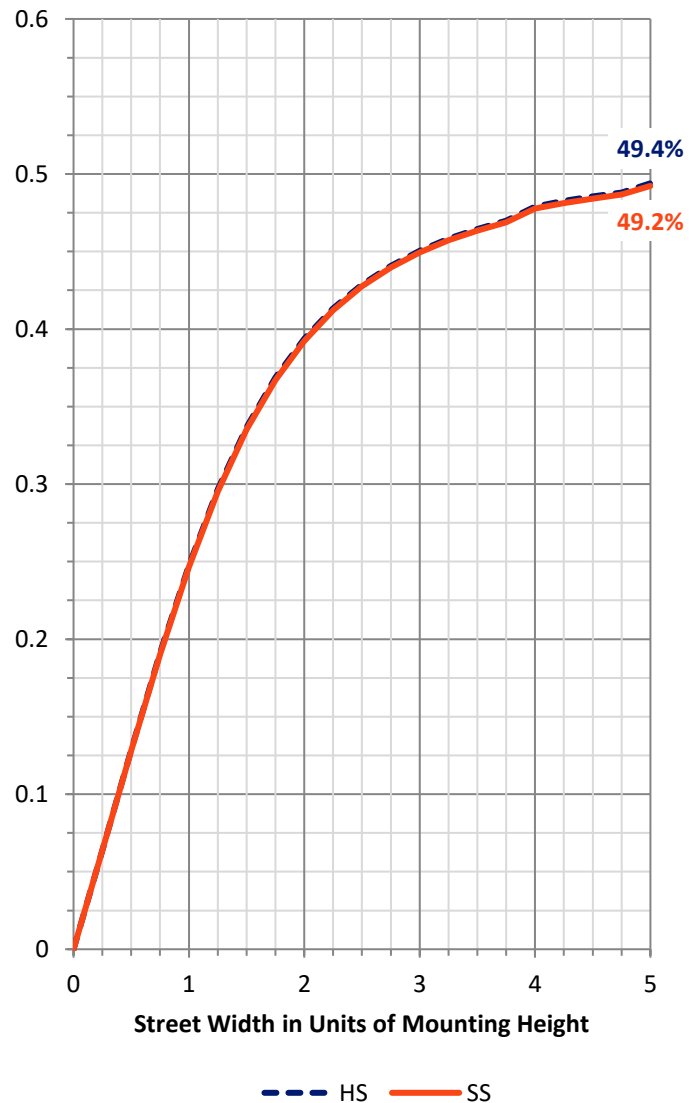
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2657.0	0.0	2657.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2657.0	0.0	2657.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5314.0	0.0	5314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	0.7
10°-20°	122.7	2.3
20°-30°	251.9	4.7
30°-40°	447.5	8.4
40°-50°	754.3	14.2
50°-60°	1112.7	20.9
60°-70°	1305.9	24.6
70°-80°	1017.4	19.1
80°-90°	266.0	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°	5314.0	100.0
0°-180°	5314.0	100.0

Coefficient of Utilization



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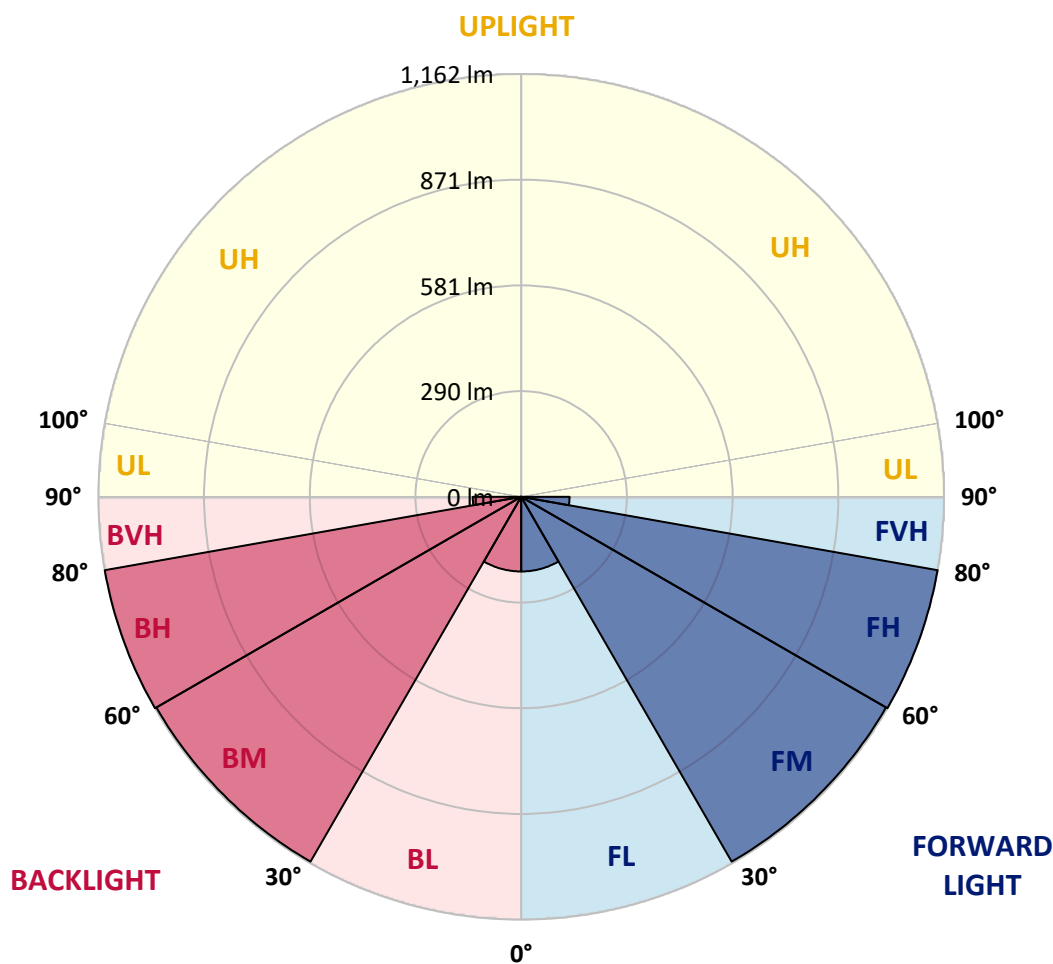
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.1	3.9			
FM	(30°-60°)	1157.3	21.8			
FH	(60°-80°)	1161.7	21.9			G1/1800
FVH	(80°-90°)	133.0	2.5			G2/225
BL	(0°-30°)	205.1	3.9	B1/500		
BM	(30°-60°)	1157.3	21.8	B2/2500		
BH	(60°-80°)	1161.7	21.9	B3/2500		G1/1800
BVH	(80°-90°)	133.0	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°	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6	357.6
2.5°	363.5	363.5	363.5	362.7	362.7	362.7	362.7	363.5	363.5	363.5	363.5
5°	371.9	371.9	370.2	368.5	366.8	366.8	367.7	368.5	369.3	371.0	371.0
7.5°	376.9	376.9	376.0	374.4	371.9	371.9	372.7	374.4	375.2	375.2	374.4
10°	383.6	384.4	386.9	387.7	386.1	386.1	386.9	387.7	386.1	383.6	383.6
12.5°	399.4	400.3	403.6	406.1	406.1	404.4	405.3	407.0	402.8	398.6	399.4
15°	422.0	422.0	422.8	425.3	423.7	422.0	423.7	424.5	422.0	421.2	422.8
17.5°	452.1	452.1	447.1	451.2	452.1	451.2	452.9	448.7	446.2	449.6	451.2
20°	484.7	481.3	478.8	482.2	488.8	486.3	489.7	480.5	478.0	479.7	480.5
22.5°	505.6	508.1	509.7	511.4	520.6	517.3	520.6	510.6	508.9	505.6	503.0
25°	530.6	533.1	543.2	538.1	544.0	539.0	543.2	537.3	540.7	530.6	530.6
27.5°	559.0	564.0	569.9	567.4	574.9	572.4	574.9	566.6	567.4	563.2	561.5
30°	597.5	597.5	595.8	600.8	614.2	612.5	613.4	602.5	595.0	595.8	599.1
32.5°	635.9	630.9	633.4	648.4	656.8	653.5	655.1	650.1	633.4	630.1	632.6
35°	671.8	679.4	685.2	697.7	709.4	707.8	706.9	698.6	687.7	674.4	670.2
37.5°	727.8	736.2	752.1	774.6	795.5	799.7	788.8	778.0	752.9	733.7	723.7
40°	801.4	802.2	820.6	864.0	883.3	886.6	880.8	862.4	823.9	802.2	801.4
42.5°	865.7	859.9	889.9	926.7	944.3	945.9	941.8	926.7	889.9	859.0	864.9
45°	915.8	915.8	951.8	981.0	1009.4	1016.1	1008.6	976.8	952.6	916.7	914.2
47.5°	961.8	974.3	1004.4	1040.4	1080.5	1089.7	1080.5	1042.9	1001.9	975.2	961.0
50°	1017.0	1032.0	1053.7	1109.7	1154.8	1167.4	1154.0	1113.1	1053.7	1031.2	1022.8
52.5°	1081.3	1093.8	1128.1	1198.3	1231.7	1250.1	1239.2	1200.0	1129.8	1095.5	1088.8
55°	1158.2	1146.5	1200.0	1267.6	1329.5	1353.7	1332.0	1269.3	1208.3	1146.5	1158.2
57.5°	1197.5	1184.1	1259.3	1323.6	1409.7	1441.5	1414.7	1328.6	1259.3	1188.3	1196.6
60°	1200.8	1206.6	1263.5	1368.8	1428.1	1441.5	1433.1	1376.3	1266.0	1211.7	1195.8
62.5°	1190.8	1226.7	1275.2	1383.8	1437.3	1469.9	1441.5	1385.5	1280.2	1232.6	1191.6
65°	1177.4	1213.3	1285.2	1362.1	1453.2	1485.7	1459.0	1366.3	1288.5	1213.3	1182.4
67.5°	1154.0	1141.5	1230.0	1332.8	1412.2	1431.4	1414.7	1334.5	1229.2	1139.8	1156.5
70°	1079.6	1068.8	1144.8	1257.6	1333.7	1360.4	1340.3	1259.3	1146.5	1071.3	1081.3
72.5°	969.3	972.7	1046.2	1154.0	1235.9	1252.6	1241.7	1153.2	1050.4	976.8	963.5
75°	840.6	849.0	919.2	1017.0	1091.3	1101.4	1090.5	1021.1	918.4	854.0	836.5
77.5°	691.1	703.6	760.4	858.2	907.5	930.1	912.5	860.7	764.6	706.9	689.4
80°	535.6	539.8	579.9	658.5	723.7	738.7	722.0	661.0	584.9	541.5	529.0
82.5°	351.0	357.6	393.6	453.7	496.4	492.2	496.4	448.7	397.8	356.0	335.1
85°	156.3	169.6	193.9	222.3	249.9	257.4	249.9	225.6	193.9	166.3	162.9
87.5°	10.9	12.5	15.0	15.9	17.5	13.4	13.4	13.4	11.7	13.4	10.9
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)