

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: P400625

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

Issue Date: 6/3/2020

Test Information

Test Method: LM-79-08
Report Number: P400625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1908-473-17)
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-CQ
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
2700K, 80 CRI LEDS AND CONCENTRATED DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5251 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

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

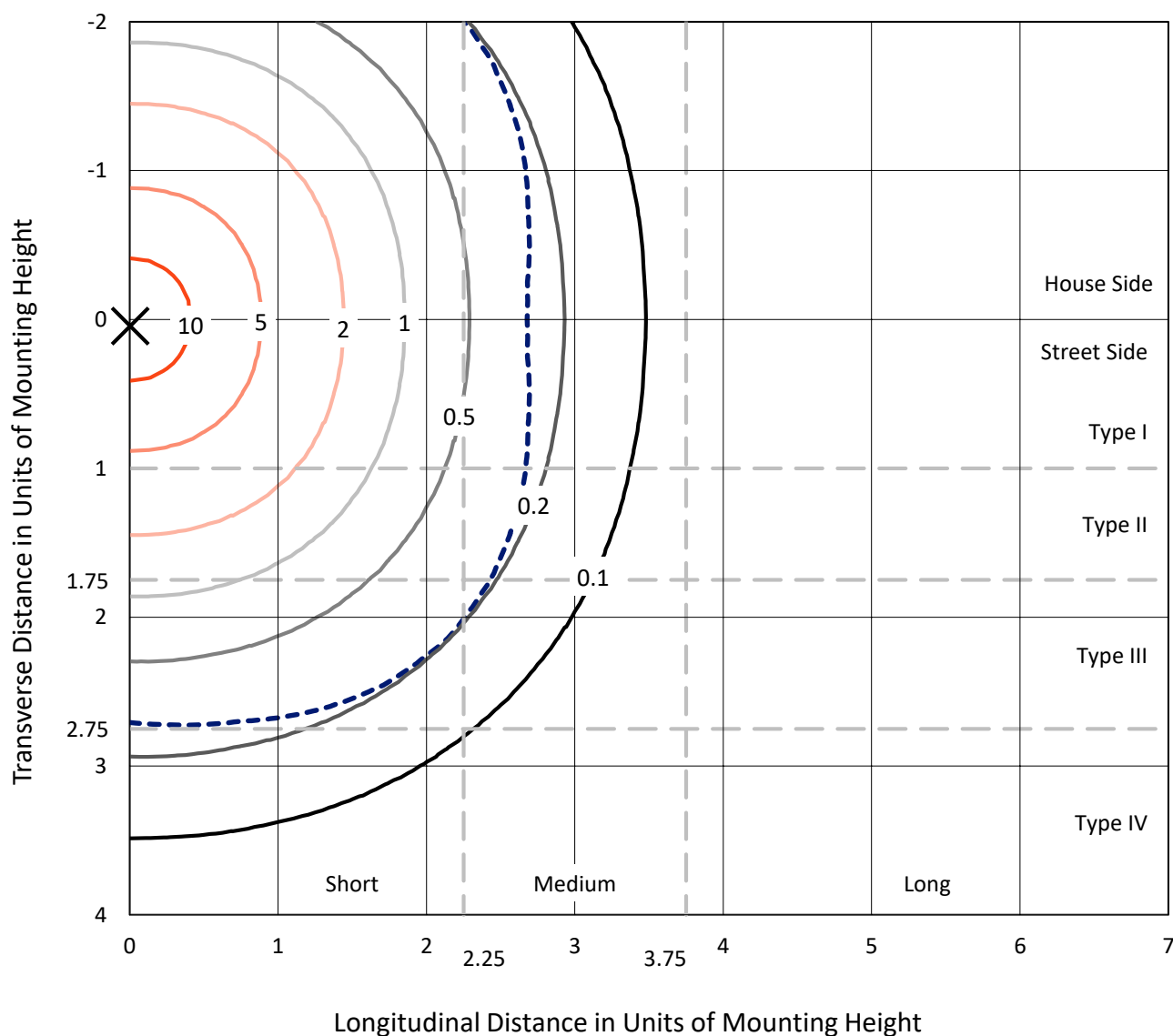


REPORT NUMBER: P400625

CATALOG NUMBER: TT-D3-827-U-CQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

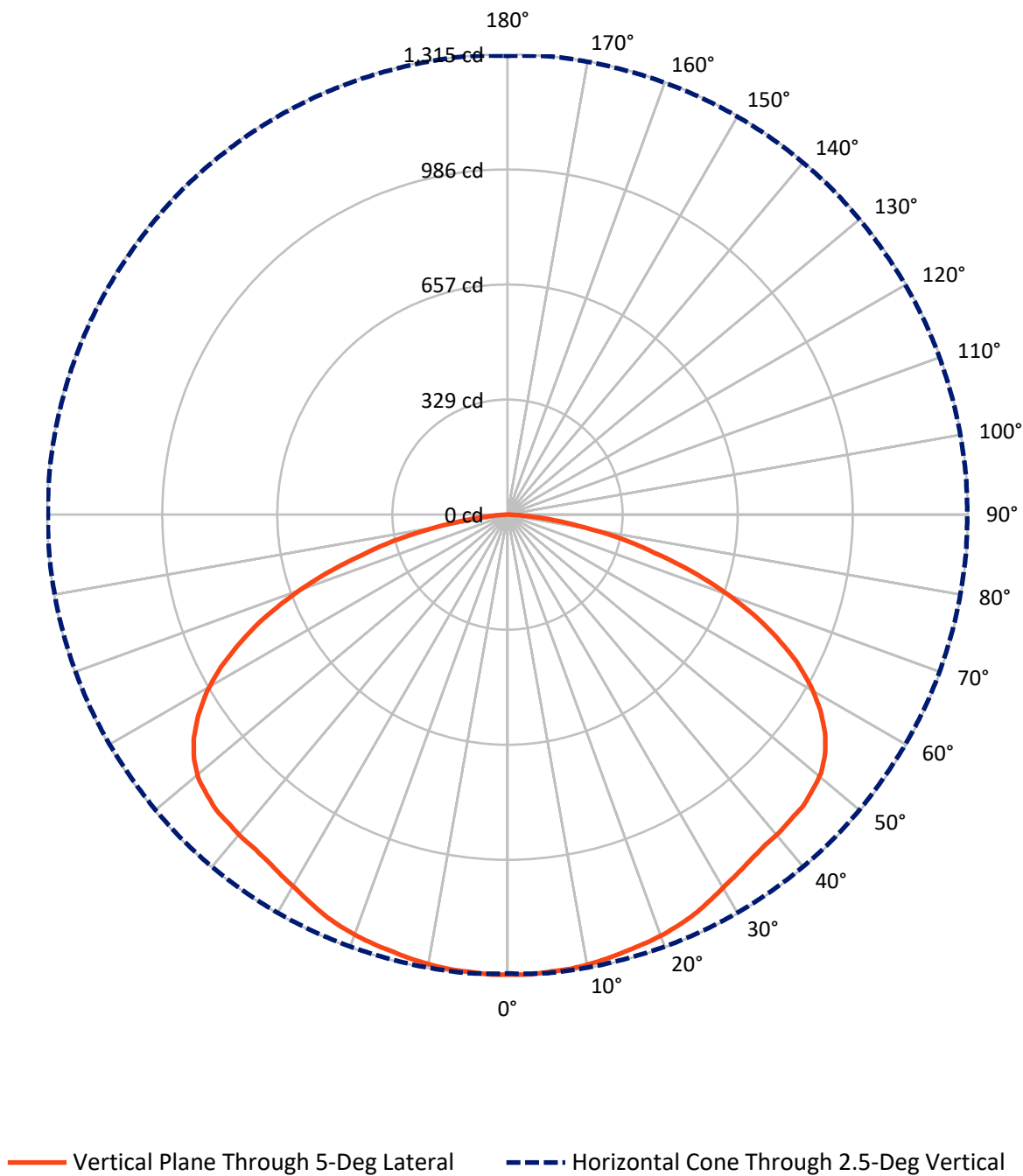


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P400625

CATALOG NUMBER: TT-D3-827-U-CQ

Luminous Intensity Polar Plot



REPORT NUMBER: P400625

CATALOG NUMBER: TT-D3-827-U-CQ

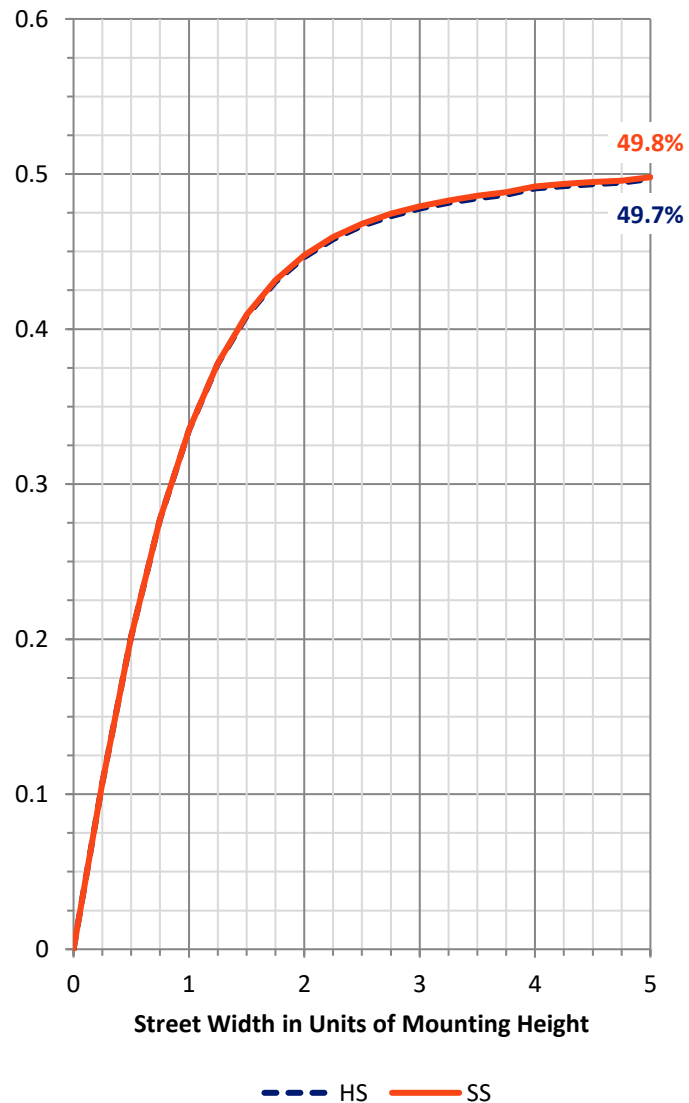
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5251.0	0.0	5251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.9	2.4
10°-20°	365.9	7.0
20°-30°	581.9	11.1
30°-40°	765.5	14.6
40°-50°	936.9	17.8
50°-60°	1014.8	19.3
60°-70°	873.0	16.6
70°-80°	490.8	9.3
80°-90°	97.3	1.9
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°	5251.0	100.0
0°-180°	5251.0	100.0

Coefficient of Utilization



REPORT NUMBER: P400625

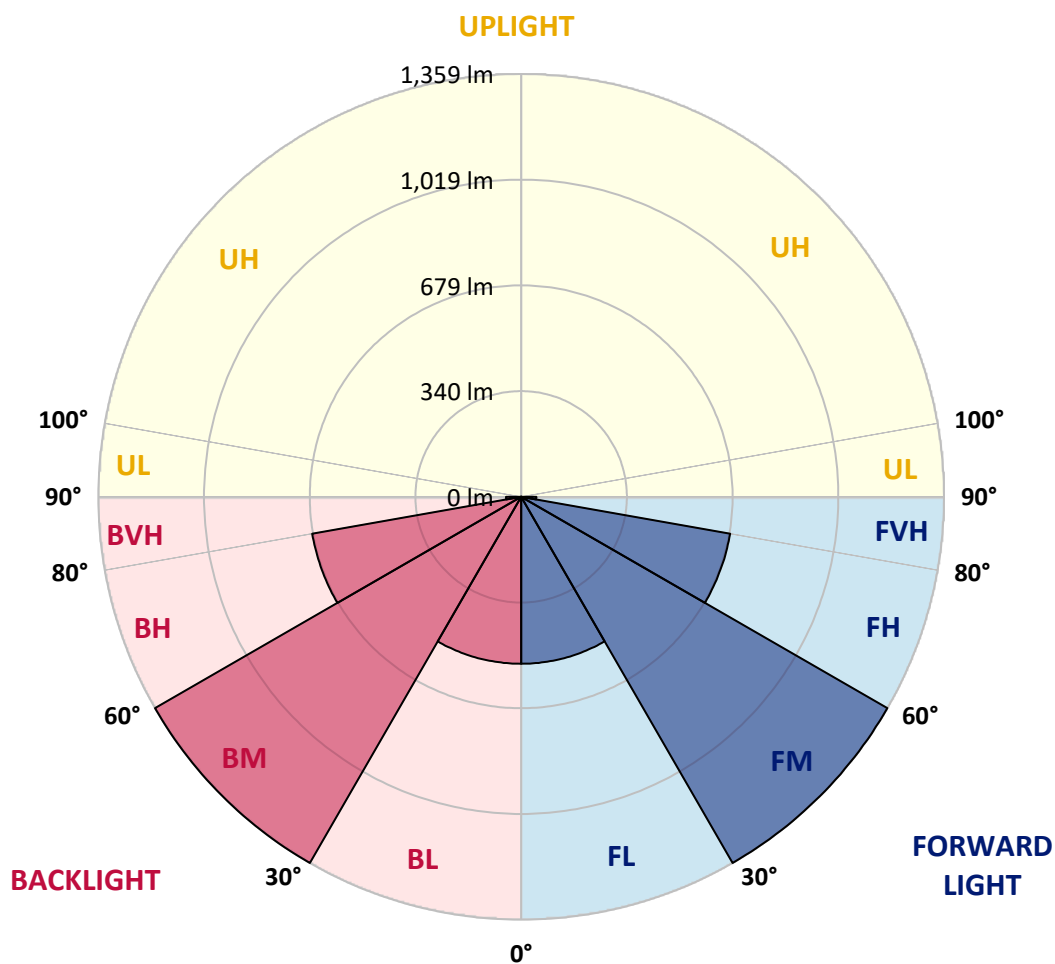
CATALOG NUMBER: TT-D3-827-U-CQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	536.4	10.2			
FM	(30°-60°)	1358.6	25.9			
FH	(60°-80°)	681.9	13.0			G1/1800
FVH	(80°-90°)	48.7	0.9			G1/100
BL	(0°-30°)	536.4	10.2	B2/1000		
BM	(30°-60°)	1358.6	25.9	B2/2500		
BH	(60°-80°)	681.9	13.0	B2/1000		G1/1800
BVH	(80°-90°)	48.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P400625

CATALOG NUMBER: TT-D3-827-U-CQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6	1313.6
2.5°	1310.3	1314.5	1312.8	1312.8	1312.8	1312.8	1311.1	1312.8	1312.8	1313.6	1312.8
5°	1311.1	1310.3	1310.3	1311.1	1311.1	1312.0	1310.3	1311.1	1312.0	1312.0	1312.8
7.5°	1308.6	1309.5	1307.8	1309.5	1307.8	1308.6	1308.6	1309.5	1308.6	1309.5	1311.1
10°	1303.6	1304.5	1303.6	1303.6	1303.6	1305.3	1301.9	1304.5	1303.6	1304.5	1303.6
12.5°	1294.4	1298.6	1296.9	1298.6	1298.6	1298.6	1296.1	1297.8	1298.6	1298.6	1298.6
15°	1290.2	1291.1	1288.6	1291.9	1292.8	1293.6	1290.2	1291.9	1291.9	1292.8	1293.6
17.5°	1281.1	1285.2	1284.4	1286.9	1286.1	1288.6	1287.7	1286.9	1286.1	1287.7	1286.1
20°	1274.4	1278.5	1277.7	1280.2	1281.1	1283.6	1281.1	1281.1	1278.5	1279.4	1281.9
22.5°	1267.7	1269.4	1269.4	1271.9	1271.9	1274.4	1271.9	1271.0	1271.0	1270.2	1272.7
25°	1256.8	1257.7	1256.8	1259.3	1261.0	1262.7	1261.8	1260.2	1259.3	1259.3	1258.5
27.5°	1239.3	1242.6	1244.3	1247.6	1248.5	1251.0	1247.6	1247.6	1246.0	1244.3	1245.1
30°	1225.9	1227.6	1227.6	1235.1	1235.1	1239.3	1235.1	1234.3	1233.4	1232.6	1230.9
32.5°	1213.4	1215.9	1218.4	1224.2	1228.4	1230.1	1227.6	1225.9	1221.7	1219.2	1218.4
35°	1203.3	1204.2	1209.2	1217.5	1222.6	1226.7	1223.4	1219.2	1213.4	1209.2	1212.5
37.5°	1195.8	1196.7	1204.2	1215.0	1224.2	1227.6	1222.6	1215.9	1206.7	1201.7	1200.0
40°	1189.1	1194.1	1202.5	1217.5	1227.6	1232.6	1228.4	1219.2	1205.8	1195.8	1195.0
42.5°	1185.8	1188.3	1200.8	1218.4	1232.6	1239.3	1233.4	1220.9	1204.2	1192.5	1191.6
45°	1177.4	1185.0	1196.7	1219.2	1235.1	1243.5	1235.1	1219.2	1199.2	1185.8	1183.3
47.5°	1170.7	1173.3	1191.6	1217.5	1236.8	1243.5	1235.1	1215.0	1190.0	1172.4	1170.7
50°	1154.9	1160.7	1179.1	1206.7	1229.2	1235.9	1225.9	1199.2	1170.7	1151.5	1148.2
52.5°	1130.6	1135.7	1157.4	1191.6	1213.4	1220.9	1205.8	1177.4	1144.0	1120.6	1120.6
55°	1093.0	1100.6	1123.1	1158.2	1185.8	1192.5	1174.9	1144.8	1107.2	1083.8	1083.0
57.5°	1047.9	1052.9	1077.2	1115.6	1142.3	1152.4	1134.8	1101.4	1063.8	1036.2	1033.7
60°	989.4	996.1	1022.0	1058.8	1086.3	1094.7	1079.7	1046.2	1007.8	978.5	978.5
62.5°	919.2	926.7	952.6	990.2	1018.7	1031.2	1010.3	978.5	938.4	910.0	907.5
65°	837.3	844.0	867.4	906.7	935.9	945.1	929.2	895.8	857.4	830.6	828.1
67.5°	745.4	754.6	778.0	811.4	836.5	848.2	838.2	808.1	768.0	740.4	737.9
70°	646.0	652.6	671.0	701.9	730.4	738.7	723.7	703.6	666.0	640.9	637.6
72.5°	539.8	545.7	560.7	590.0	610.0	620.9	612.5	586.6	556.5	535.7	539.0
75°	432.9	432.0	448.7	469.6	488.0	495.5	489.7	473.0	445.4	427.9	427.0
77.5°	325.9	334.3	340.1	357.7	372.7	378.6	370.2	356.8	335.9	321.7	324.2
80°	229.0	224.0	234.8	245.7	255.7	261.6	256.5	249.0	234.8	224.0	222.3
82.5°	140.4	136.2	141.2	151.3	157.9	159.6	160.4	151.3	145.4	137.0	138.7
85°	61.8	62.7	66.9	73.5	74.4	75.2	75.2	73.5	66.9	66.0	64.3
87.5°	15.0	15.0	15.9	18.4	18.4	19.2	19.2	16.7	15.9	14.2	15.0
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)