

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: P887617

Luminaire Tested: **TT-D2-740-U-CQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D2-740-U-CQ-TC
Description: CQ
4000K, 70 CRI LEDS, CONCENTRATED DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4740 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

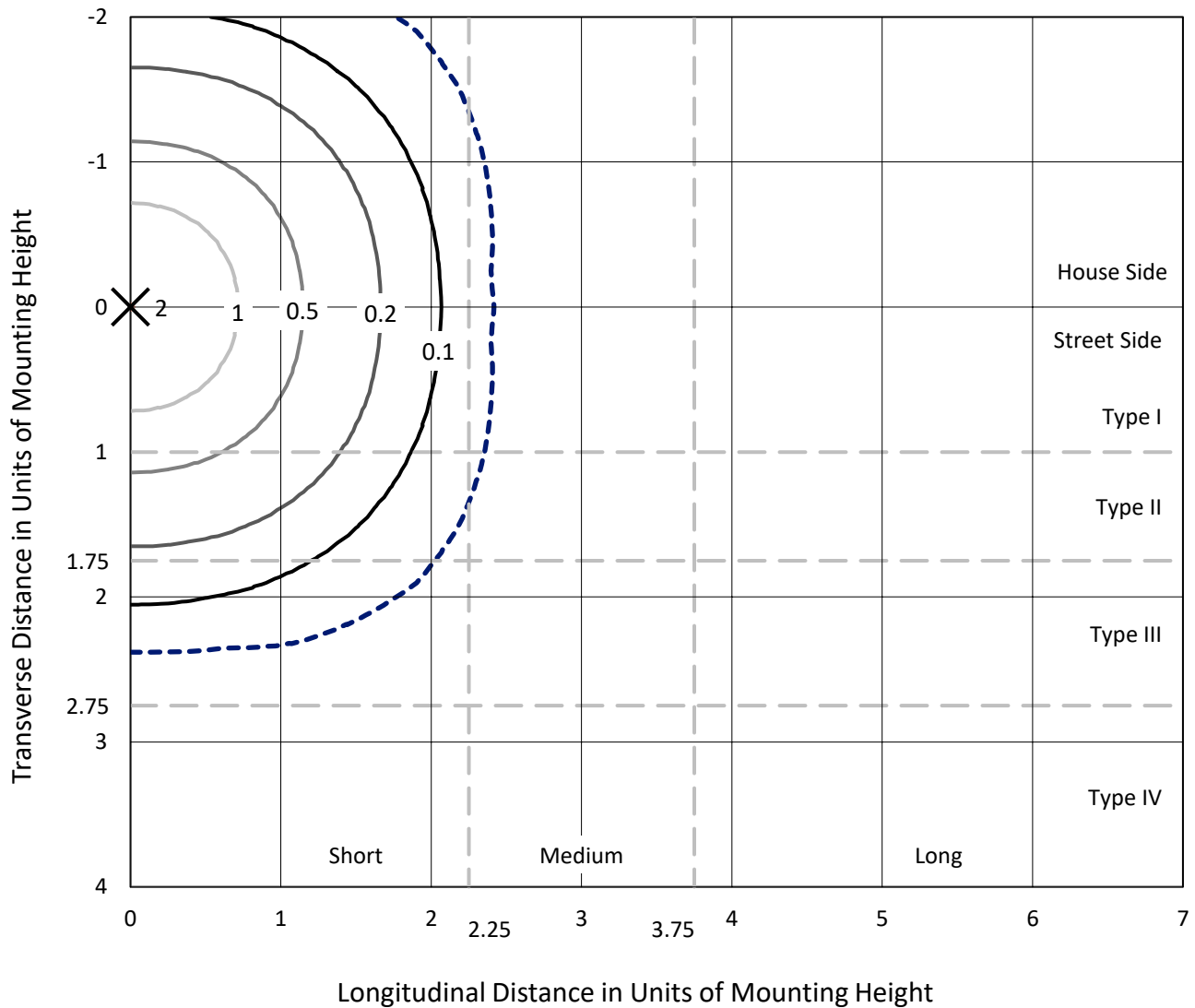
Input Watts (W): 39.2
Input Voltage (V): 120.0
Input Current (Ain): 0.33
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P887617
 CATALOG NUMBER: TT-D2-740-U-CQ-TC

Iso-Footcandle Lines of Horizontal Illumination

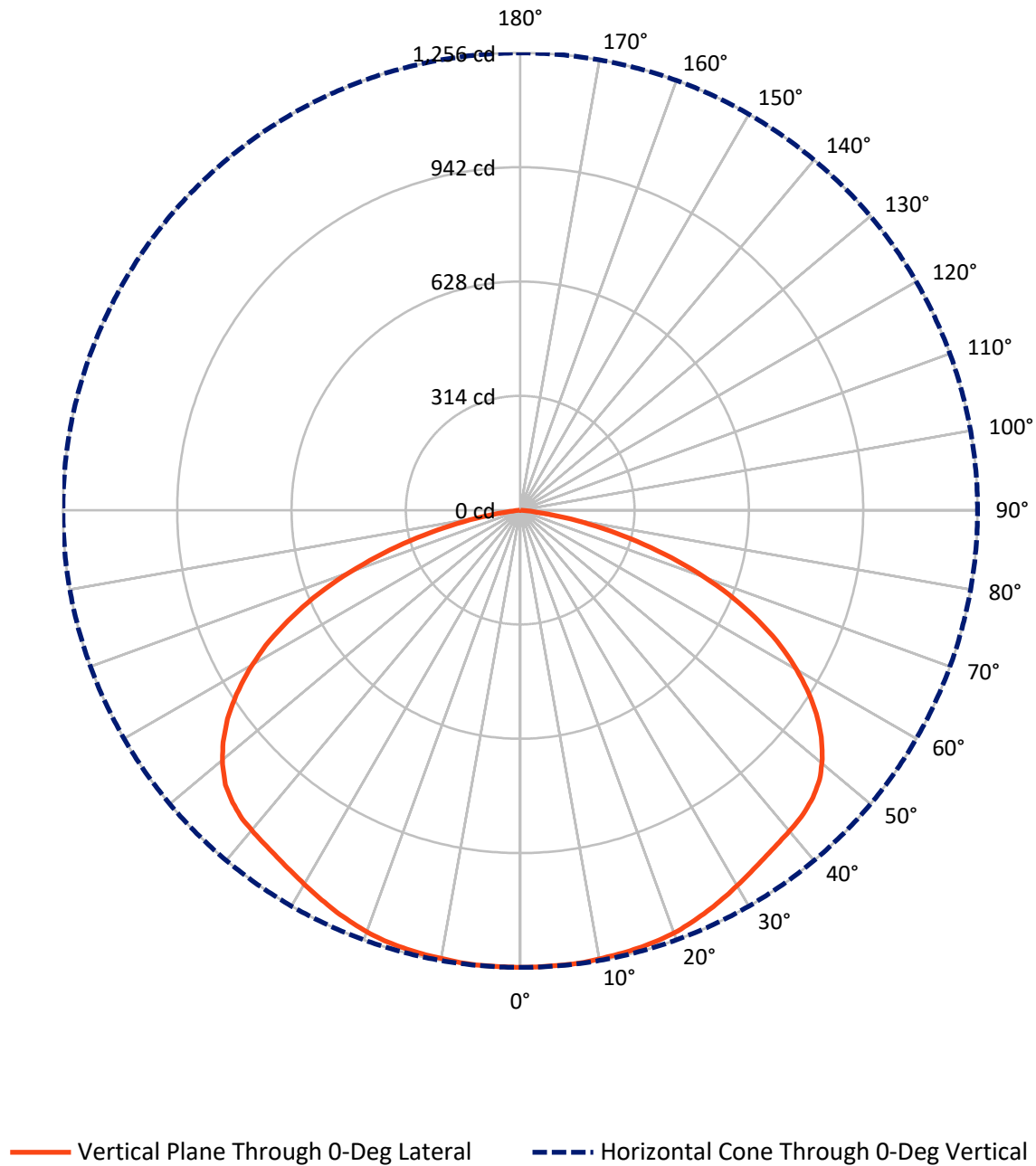
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

REPORT NUMBER: P887617
CATALOG NUMBER: TT-D2-740-U-CQ-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887617

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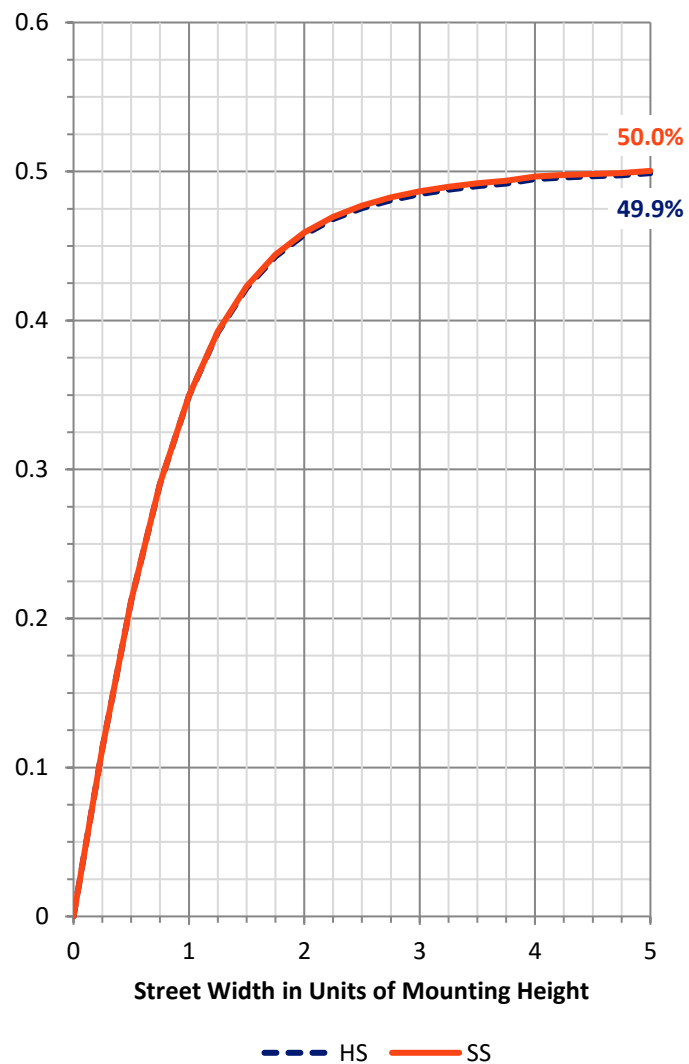
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2370.0	0.0	2370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2370.0	0.0	2370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4740.0	0.0	4740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.6	2.5
10°-20°	352.5	7.4
20°-30°	561.7	11.9
30°-40°	738.1	15.6
40°-50°	889.4	18.8
50°-60°	927.7	19.6
60°-70°	750.6	15.8
70°-80°	363.8	7.7
80°-90°	36.6	0.8
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°	4740.0	100.0
0°-180°	4740.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887617

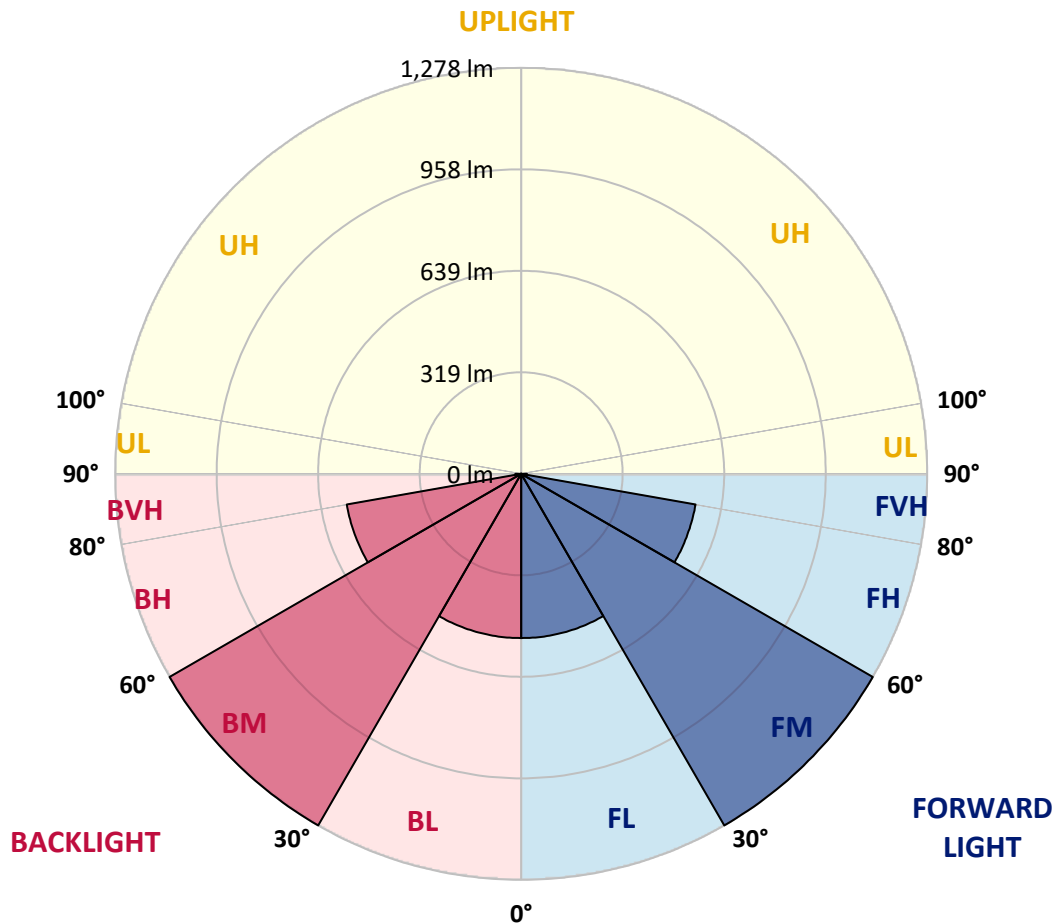
CATALOG NUMBER: TT-D2-740-U-CQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	516.9	10.9			
FM	(30°-60°)	1277.6	27.0			
FH	(60°-80°)	557.2	11.8			G0/660
FVH	(80°-90°)	18.3	0.4			G1/100
BL	(0°-30°)	516.9	10.9	B2/1000		
BM	(30°-60°)	1277.6	27.0	B2/2500		
BH	(60°-80°)	557.2	11.8	B2/1000		G0/660
BVH	(80°-90°)	18.3	0.4			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: P887617

CATALOG NUMBER: TT-D2-740-U-CQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5	1255.5
2.5°	1254.7	1254.7	1254.7	1253.9	1253.9	1253.9	1253.9	1254.7	1254.7	1254.7	1254.7
5°	1254.7	1254.7	1254.7	1254.7	1253.9	1253.9	1253.9	1254.7	1254.7	1254.7	1254.7
7.5°	1253.9	1253.9	1253.9	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0
10°	1250.5	1250.5	1251.4	1250.5	1250.5	1250.5	1250.5	1251.4	1250.5	1250.5	1250.5
12.5°	1248.1	1248.1	1248.1	1248.1	1247.2	1248.1	1247.2	1247.2	1247.2	1247.2	1247.2
15°	1244.7	1245.6	1244.7	1244.7	1245.6	1245.6	1244.7	1244.7	1243.9	1243.9	1243.9
17.5°	1240.6	1240.6	1241.4	1241.4	1242.2	1242.2	1241.4	1241.4	1240.6	1239.8	1239.8
20°	1234.0	1234.8	1234.8	1235.6	1236.4	1237.3	1236.4	1235.6	1234.8	1234.0	1233.1
22.5°	1224.0	1224.8	1225.7	1227.3	1228.2	1229.0	1227.3	1226.5	1225.7	1224.8	1224.8
25°	1213.2	1214.1	1214.9	1216.5	1217.4	1218.2	1217.4	1215.7	1214.9	1214.1	1214.1
27.5°	1200.8	1201.6	1202.4	1204.9	1205.8	1206.6	1204.9	1203.3	1201.6	1200.8	1200.8
30°	1188.3	1189.2	1190.8	1193.3	1195.8	1196.6	1193.3	1191.7	1189.2	1187.5	1187.5
32.5°	1175.9	1176.7	1178.4	1183.4	1185.9	1186.7	1185.0	1181.7	1177.6	1175.1	1174.2
35°	1165.1	1166.8	1170.1	1175.9	1179.2	1180.9	1179.2	1174.2	1168.4	1164.3	1164.3
37.5°	1156.0	1158.5	1163.5	1171.8	1178.4	1180.1	1177.6	1170.9	1162.6	1156.8	1156.0
40°	1148.5	1151.0	1158.5	1169.3	1178.4	1180.9	1177.6	1168.4	1157.7	1150.2	1148.5
42.5°	1140.2	1142.7	1152.7	1166.0	1176.7	1180.9	1176.7	1165.1	1151.0	1141.1	1140.2
45°	1126.2	1129.5	1141.1	1158.5	1171.8	1176.7	1171.8	1158.5	1141.1	1129.5	1128.6
47.5°	1106.2	1109.6	1122.8	1145.2	1161.0	1168.4	1163.5	1147.7	1128.6	1113.7	1112.1
50°	1074.7	1080.5	1094.6	1122.0	1140.2	1151.0	1146.9	1129.5	1107.1	1091.3	1089.7
52.5°	1034.9	1040.7	1058.2	1088.8	1109.6	1123.7	1119.5	1100.4	1077.2	1057.3	1056.5
55°	986.8	993.5	1011.7	1047.4	1070.6	1086.3	1081.4	1059.0	1033.3	1010.9	1010.1
57.5°	928.8	937.1	957.0	994.3	1020.8	1039.1	1031.6	1008.4	978.5	952.8	953.7
60°	863.3	872.4	893.1	932.1	960.3	977.7	971.1	945.4	913.9	886.5	887.3
62.5°	791.1	796.9	817.7	858.3	886.5	906.4	896.4	869.9	837.6	809.4	813.5
65°	706.5	712.3	732.2	772.9	799.4	819.3	809.4	782.0	748.8	719.0	725.6
67.5°	617.8	619.5	634.4	676.7	701.6	720.6	709.9	683.3	651.8	624.4	629.4
70°	518.3	516.6	532.4	571.4	592.9	610.3	599.6	574.7	546.5	520.8	525.8
72.5°	414.6	413.0	425.4	461.1	475.2	495.1	485.1	461.9	439.5	413.8	418.8
75°	312.6	309.3	320.1	350.0	361.6	379.0	369.9	349.1	330.9	307.7	313.5
77.5°	213.1	210.6	218.9	243.8	251.3	268.7	256.2	242.1	227.2	204.0	212.3
80°	122.7	120.2	125.2	146.0	150.9	162.5	154.2	143.5	131.9	116.1	121.1
82.5°	45.6	47.3	49.8	63.0	68.0	78.8	70.5	62.2	53.9	44.0	47.3
85°	3.3	3.3	3.3	5.0	6.6	10.8	7.5	5.8	4.1	2.5	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)