

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: LUMARK

Report Number: P511310

Luminaire Tested: **PRV-P-PA1D-8540-U-5WQ**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-8540-U-5WQ
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8832.2 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 93.4
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

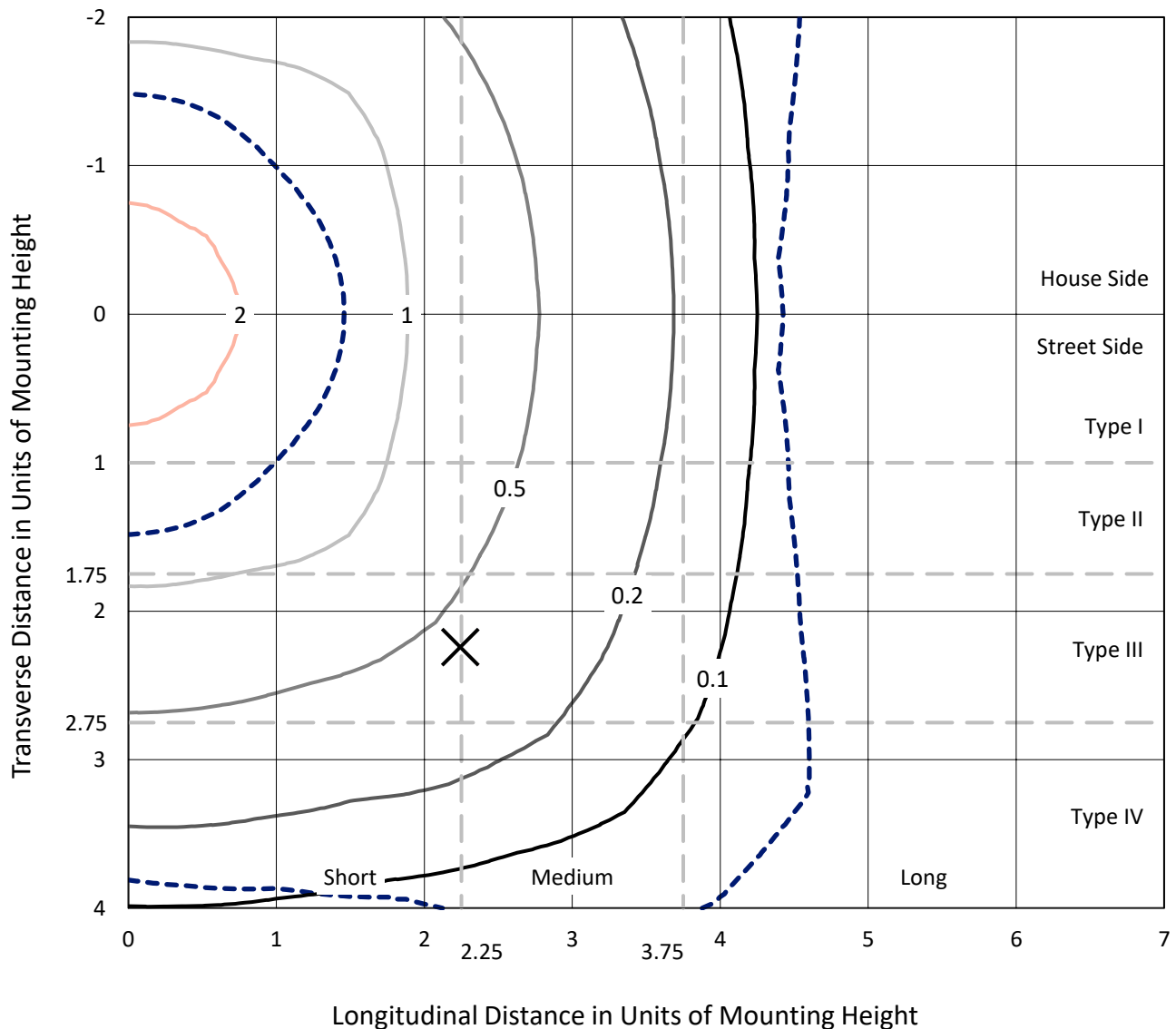


REPORT NUMBER: P511310

CATALOG NUMBER: PRV-P-PA1D-8540-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

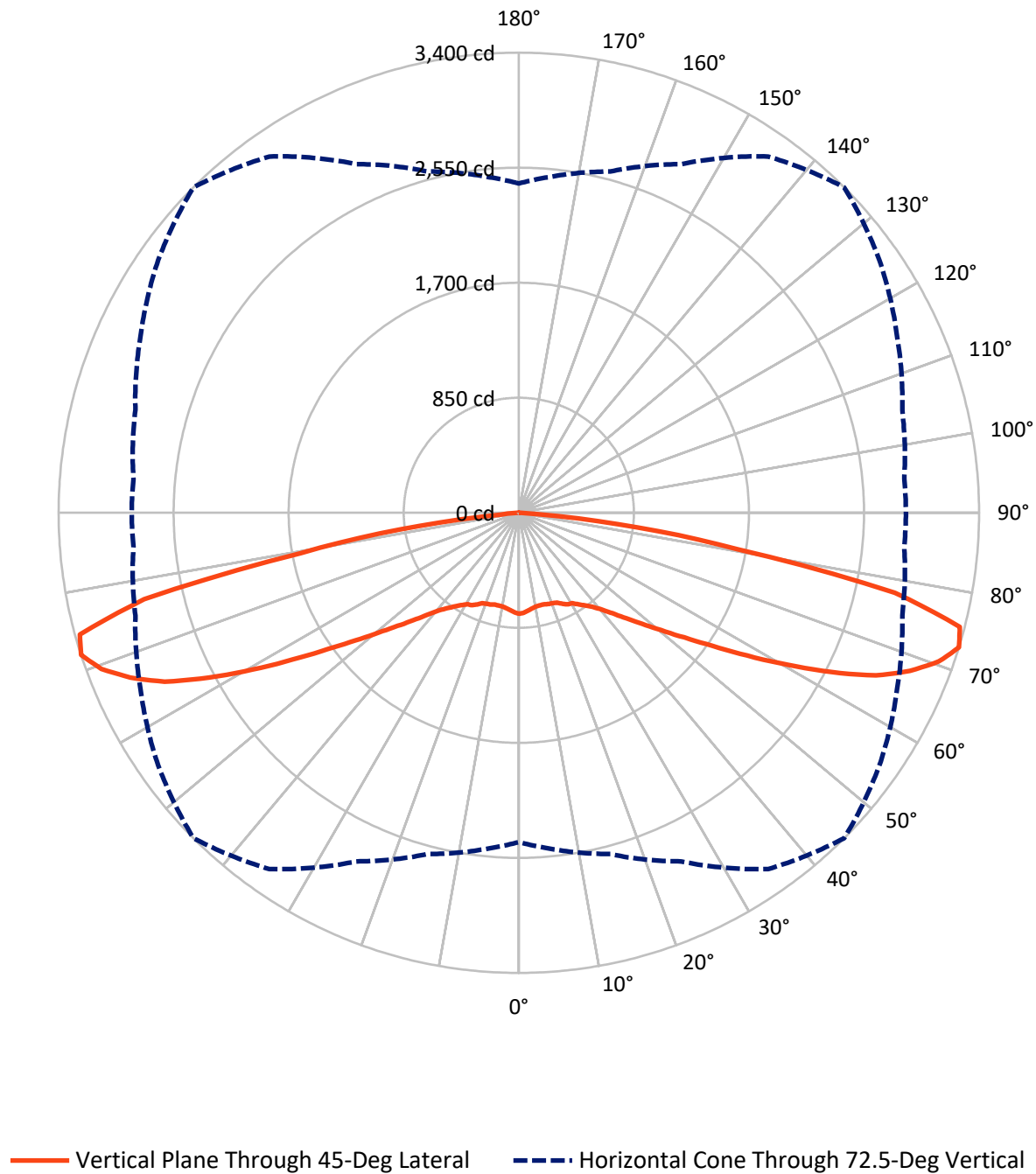


Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P511310

CATALOG NUMBER: PRV-P-PA1D-8540-U-5WQ

Luminous Intensity Polar Plot



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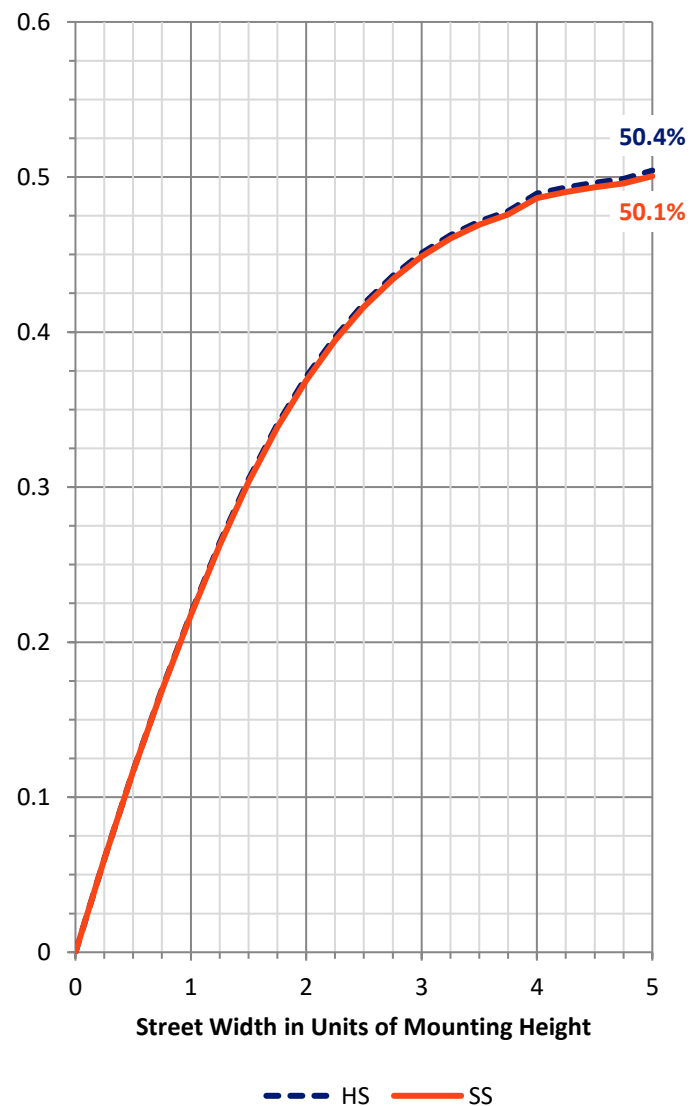
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4416.1	0.0	4416.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4416.1	0.0	4416.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8832.2	0.0	8832.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	0.8
10°-20°	201.2	2.3
20°-30°	344.4	3.9
30°-40°	530.7	6.0
40°-50°	878.7	9.9
50°-60°	1528.9	17.3
60°-70°	2544.7	28.8
70°-80°	2496.3	28.3
80°-90°	238.6	2.7
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°	8832.2	100.0
0°-180°	8832.2	100.0

Coefficient of Utilization



REPORT NUMBER: P511310

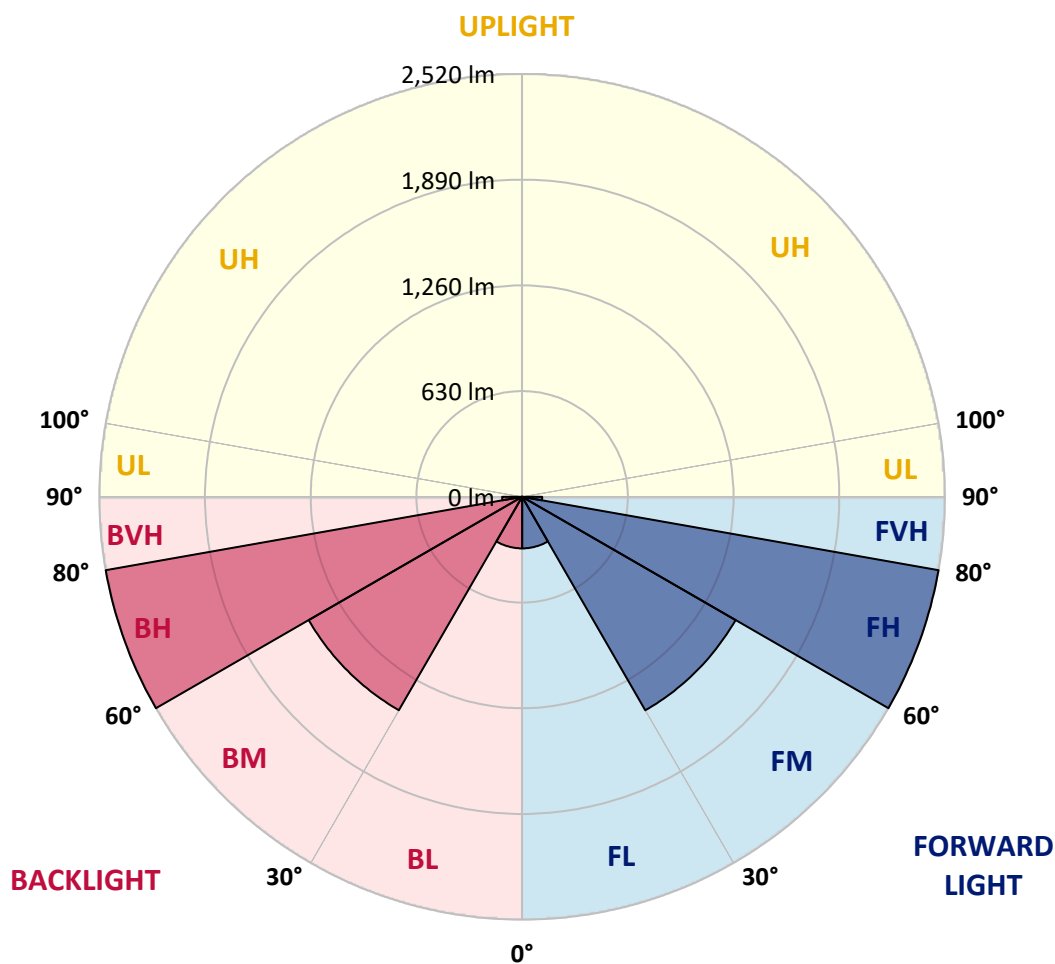
CATALOG NUMBER: PRV-P-PA1D-8540-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.2	3.5			
FM	(30°-60°)	1469.2	16.6			
FH	(60°-80°)	2520.5	28.5			G2/5000
FVH	(80°-90°)	119.3	1.4			G2/225
BL	(0°-30°)	307.2	3.5	B1/500		
BM	(30°-60°)	1469.2	16.6	B2/2500		
BH	(60°-80°)	2520.5	28.5	B4/5000		G2/5000
BVH	(80°-90°)	119.3	1.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4	746.4
2.5°	738.5	740.6	736.6	736.6	738.5	738.5	736.6	740.6	740.6	744.5	740.6
5°	722.9	724.8	722.9	722.9	722.9	724.8	724.8	726.8	726.8	728.7	730.7
7.5°	711.0	713.0	711.0	709.1	711.0	713.0	715.0	716.9	716.9	719.0	716.9
10°	709.1	711.0	707.1	703.2	701.3	703.2	701.3	709.1	713.0	715.0	716.9
12.5°	713.0	715.0	711.0	703.2	699.3	701.3	701.3	705.2	713.0	716.9	719.0
15°	715.0	716.9	709.1	701.3	701.3	701.3	701.3	703.2	711.0	715.0	716.9
17.5°	720.9	722.9	716.9	707.1	707.1	709.1	705.2	707.1	709.1	719.0	719.0
20°	726.8	730.7	719.0	715.0	715.0	713.0	711.0	713.0	716.9	726.8	722.9
22.5°	742.5	740.6	732.7	728.7	724.8	720.9	719.0	722.9	726.8	734.6	732.7
25°	752.3	752.3	746.4	742.5	748.4	744.5	740.6	738.5	738.5	744.5	744.5
27.5°	758.2	756.2	752.3	752.3	758.2	766.1	758.2	750.3	746.4	750.3	748.4
30°	773.9	775.9	768.0	768.0	772.0	775.9	772.0	766.1	762.1	770.0	772.0
32.5°	801.4	803.4	795.5	791.6	793.6	805.3	795.5	787.7	791.6	799.4	797.5
35°	844.6	842.7	832.9	823.0	826.9	840.7	828.9	826.9	832.9	840.7	844.6
37.5°	889.8	891.8	882.0	868.2	866.2	882.0	876.0	876.0	883.9	895.7	893.7
40°	960.5	958.5	948.8	925.2	927.2	936.9	938.9	942.8	956.6	962.5	960.5
42.5°	1037.2	1037.2	1023.4	1003.7	1005.7	1015.6	1017.5	1019.5	1029.3	1046.9	1041.1
45°	1141.2	1137.3	1121.6	1101.9	1100.0	1111.8	1113.7	1113.7	1127.5	1139.3	1135.4
47.5°	1239.4	1241.4	1227.7	1211.9	1213.9	1225.7	1227.7	1221.8	1229.6	1241.4	1247.3
50°	1353.3	1353.3	1349.4	1331.7	1347.5	1361.2	1357.3	1355.4	1363.2	1365.2	1359.3
52.5°	1481.0	1488.9	1483.0	1479.1	1504.6	1530.1	1526.2	1500.7	1496.8	1502.7	1496.8
55°	1638.2	1636.2	1642.1	1655.9	1701.1	1732.5	1716.7	1685.3	1671.5	1659.8	1663.7
57.5°	1791.4	1803.2	1813.0	1846.4	1925.0	1989.8	1958.4	1893.5	1854.2	1830.7	1832.6
60°	1944.6	1960.3	1987.8	2054.6	2192.1	2280.5	2251.0	2135.2	2066.4	2031.0	2021.2
62.5°	2127.3	2135.2	2164.6	2255.0	2453.4	2592.8	2524.1	2365.0	2274.6	2235.3	2217.6
65°	2321.8	2331.5	2370.8	2467.1	2728.4	2899.2	2791.2	2614.4	2498.6	2445.5	2427.8
67.5°	2498.6	2524.1	2563.4	2685.1	2972.0	3117.3	3003.4	2842.3	2742.1	2669.4	2677.3
70°	2669.4	2679.3	2734.2	2844.2	3144.8	3292.1	3160.5	3050.5	2946.4	2871.7	2895.3
72.5°	2433.7	2488.7	2610.5	2842.3	3213.5	3400.1	3252.8	3083.8	2932.6	2858.0	2860.0
75°	1763.9	1815.0	1942.6	2247.1	2968.0	3364.8	3158.5	2848.2	2592.8	2492.6	2476.9
77.5°	1210.0	1200.2	1316.1	1561.6	2074.2	2840.3	2732.3	2205.9	1822.8	1598.9	1618.5
80°	330.0	349.6	508.7	854.5	1373.0	1642.1	1657.8	1164.8	726.8	534.2	528.4
82.5°	76.6	82.5	121.8	210.2	508.7	887.8	524.5	275.0	188.5	125.7	92.3
85°	15.7	15.7	19.7	37.3	106.1	135.5	88.4	64.8	62.9	33.4	31.4
87.5°	2.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0
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)