

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: P511246

Luminaire Tested: **PRV-P-PA1C-8540-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-8540-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7175.4 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

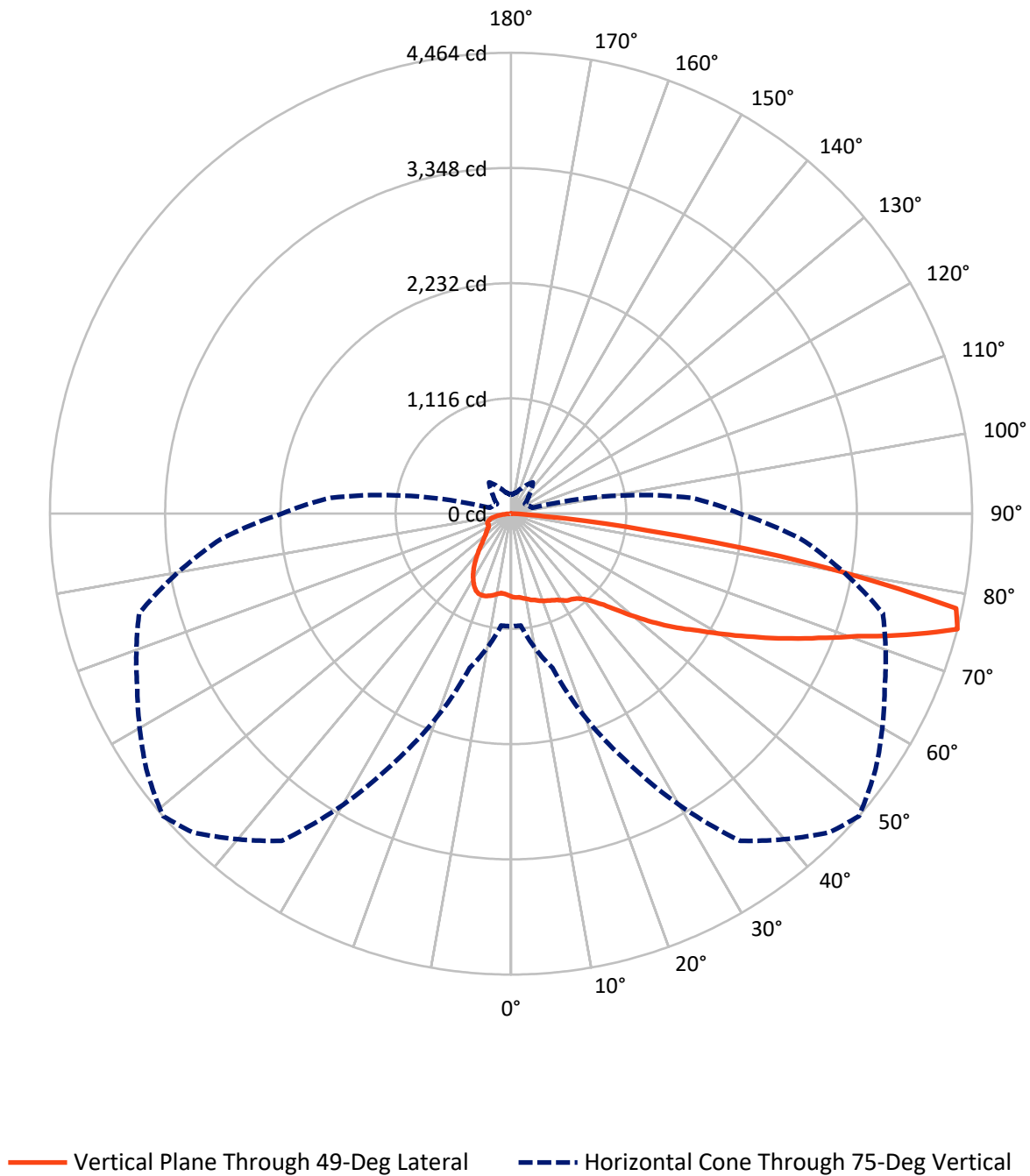
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P511246

CATALOG NUMBER: PRV-P-PA1C-8540-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P511246

CATALOG NUMBER: PRV-P-PA1C-8540-U-T4W

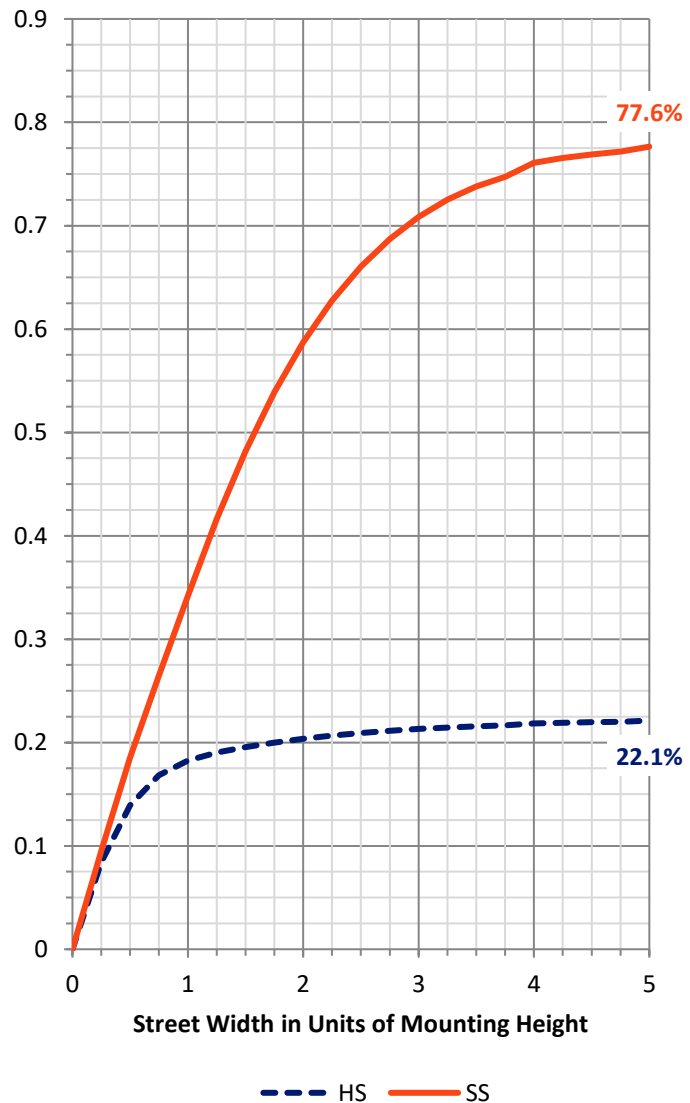
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.0	0.0	1607.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5568.4	0.0	5568.4
	% Fixture	77.6	0.0	77.6
Total	Lumens	7175.4	0.0	7175.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.3	1.1
10°-20°	242.1	3.4
20°-30°	407.6	5.7
30°-40°	552.3	7.7
40°-50°	810.6	11.3
50°-60°	1291.6	18.0
60°-70°	1881.1	26.2
70°-80°	1702.0	23.7
80°-90°	210.8	2.9
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°	7175.4	100.0
0°-180°	7175.4	100.0

Coefficient of Utilization



REPORT NUMBER: P511246

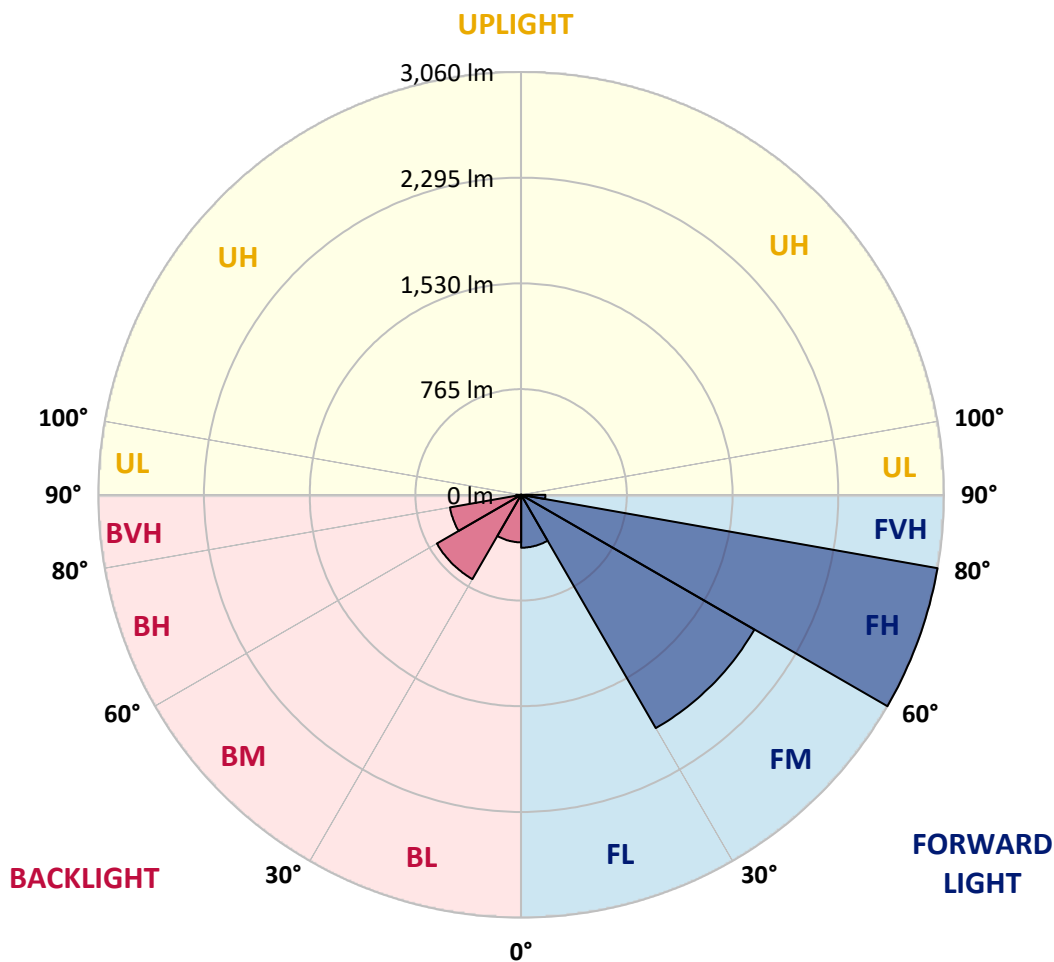
CATALOG NUMBER: PRV-P-PA1C-8540-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	383.0	5.3			
FM	(30°-60°)	1949.8	27.2			
FH	(60°-80°)	3060.2	42.6			G2/5000
FVH	(80°-90°)	175.4	2.4			G2/225
BL	(0°-30°)	344.0	4.8	B1/500		
BM	(30°-60°)	704.7	9.8	B1/1000		
BH	(60°-80°)	522.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	35.4	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium



REPORT NUMBER: P511246

CATALOG NUMBER: PRV-P-PA1C-8540-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6
2.5°	828.3	825.0	821.8	821.8	816.8	815.2	813.5	811.9	801.9	803.6	797.0
5°	854.8	849.8	846.5	843.2	833.3	818.5	813.5	811.9	795.4	785.5	780.5
7.5°	892.7	894.3	876.3	866.3	856.4	831.7	826.7	813.5	795.4	782.1	773.9
10°	932.3	927.4	912.5	894.3	874.6	846.5	838.3	826.7	811.9	793.7	783.8
12.5°	960.3	955.4	937.3	914.2	886.1	861.4	856.4	848.1	825.0	805.2	795.4
15°	976.9	981.8	960.3	927.4	896.1	877.9	868.0	863.0	843.2	821.8	803.6
17.5°	995.0	993.4	980.2	940.6	912.5	891.1	886.1	877.9	853.2	833.3	815.2
20°	1003.3	1009.9	998.3	953.8	920.8	901.0	902.6	896.1	872.9	848.1	828.3
22.5°	1008.3	1011.6	1006.6	962.1	930.7	915.8	914.2	909.2	886.1	864.7	841.6
25°	1006.6	1008.3	1016.5	963.7	940.6	929.0	929.0	922.5	904.3	884.5	861.4
27.5°	1008.3	1004.9	1016.5	968.6	953.8	948.8	947.2	945.6	935.6	907.6	882.8
30°	1001.6	1011.6	1014.8	975.2	973.6	971.9	973.6	975.2	963.7	934.0	907.6
32.5°	1003.3	1000.0	1016.5	983.5	985.2	998.3	1003.3	1000.0	981.8	957.1	932.3
35°	1031.4	1039.6	1042.9	998.3	996.7	1004.9	1016.5	1013.2	1008.3	990.1	975.2
37.5°	1178.2	1184.8	1166.7	1059.4	1029.7	1028.1	1042.9	1046.2	1049.5	1041.2	1037.9
40°	1407.6	1399.3	1396.0	1191.4	1087.4	1075.9	1089.1	1105.6	1110.5	1115.5	1123.8
42.5°	1656.7	1666.6	1668.3	1377.8	1222.7	1153.4	1160.0	1181.5	1209.6	1216.2	1252.5
45°	1881.2	1899.3	1935.7	1625.4	1407.6	1282.2	1259.1	1277.2	1325.1	1366.3	1425.8
47.5°	2039.6	2051.1	2108.9	1884.4	1640.2	1419.1	1402.6	1402.6	1470.3	1526.4	1627.1
50°	2198.0	2191.4	2214.5	2150.1	1962.0	1623.7	1575.9	1562.7	1651.8	1731.0	1844.8
52.5°	2318.5	2330.0	2366.3	2392.7	2237.6	1846.5	1760.7	1726.0	1839.9	1935.7	2094.1
55°	2404.3	2409.2	2491.7	2595.6	2501.6	2044.6	1950.5	1925.7	2061.0	2169.9	2379.5
57.5°	2519.8	2556.1	2650.1	2839.9	2823.4	2231.0	2133.7	2153.4	2288.8	2407.6	2701.3
60°	2732.7	2721.1	2830.0	3085.8	2995.1	2432.3	2369.6	2381.2	2518.1	2683.1	3097.3
62.5°	2825.1	2830.0	2981.8	3397.7	3232.6	2648.5	2625.4	2651.8	2782.2	2945.5	3597.3
65°	2694.7	2731.0	3069.3	3440.6	3468.6	2929.0	2912.5	2953.8	3046.2	3260.7	4011.5
67.5°	2344.9	2387.8	2937.3	3547.9	3665.0	3219.5	3212.8	3239.3	3298.6	3513.2	4290.4
70°	2165.0	2207.9	2574.2	3594.0	3823.4	3564.3	3556.1	3544.5	3584.1	3757.4	4326.7
72.5°	1853.1	1872.9	2204.6	3402.6	3967.0	3978.5	4008.2	3919.1	3853.1	3905.9	3897.6
75°	1090.7	1087.4	1546.2	2645.2	3867.9	4363.0	4463.6	4310.2	3991.7	3726.1	2818.5
77.5°	376.2	361.4	526.4	1206.3	2808.5	4221.1	4405.9	4179.8	3628.7	2947.1	1569.3
80°	105.6	113.8	170.0	402.6	1308.5	2603.9	2966.9	3132.0	2366.3	1239.3	468.6
82.5°	47.8	49.5	89.1	165.0	483.5	1277.2	1323.4	1122.1	800.3	313.5	115.5
85°	13.2	13.2	28.0	59.4	165.0	295.3	323.5	283.8	165.0	105.6	39.6
87.5°	1.6	1.6	1.6	3.3	4.9	8.2	6.6	18.2	14.9	13.2	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P511246

CATALOG NUMBER: PRV-P-PA1C-8540-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6	803.6
2.5°	798.7	797.0	793.7	792.1	790.4	790.4	790.4	792.1	788.8	795.4	795.4
5°	778.9	777.2	772.3	775.6	775.6	782.1	785.5	788.8	793.7	797.0	798.7
7.5°	770.6	772.3	770.6	767.3	770.6	777.2	790.4	801.9	807.0	811.9	813.5
10°	780.5	780.5	775.6	782.1	783.8	790.4	800.3	813.5	828.3	833.3	833.3
12.5°	787.1	788.8	785.5	798.7	801.9	810.2	816.8	823.4	836.6	844.9	846.5
15°	795.4	793.7	798.7	810.2	816.8	823.4	828.3	825.0	838.3	844.9	844.9
17.5°	807.0	808.6	815.2	830.1	833.3	835.0	833.3	825.0	835.0	841.6	844.9
20°	818.5	821.8	831.7	843.2	843.2	836.6	830.1	821.8	826.7	835.0	841.6
22.5°	833.3	838.3	844.9	853.2	844.9	830.1	821.8	813.5	818.5	831.7	836.6
25°	846.5	851.5	851.5	848.1	826.7	813.5	810.2	810.2	811.9	826.7	828.3
27.5°	869.6	869.6	858.1	835.0	797.0	775.6	783.8	790.4	805.2	816.8	820.1
30°	894.3	887.8	864.7	813.5	754.1	732.7	742.6	760.7	780.5	797.0	807.0
32.5°	925.7	920.8	874.6	788.8	707.9	679.9	689.7	716.1	744.2	764.1	767.3
35°	971.9	960.3	884.5	755.8	648.5	622.1	627.0	656.8	686.5	707.9	719.5
37.5°	1031.4	1019.8	892.7	712.8	587.5	559.4	557.7	585.8	608.9	628.7	637.0
40°	1133.6	1105.6	901.0	658.4	528.1	495.0	495.0	505.0	513.2	526.4	533.0
42.5°	1264.0	1214.5	914.2	595.7	470.3	440.6	429.0	434.0	424.1	412.6	414.2
45°	1440.6	1354.7	940.6	531.3	417.5	391.1	381.2	368.0	348.2	326.7	328.4
47.5°	1646.9	1506.6	958.7	473.6	371.3	351.5	341.5	325.1	297.0	273.9	272.2
50°	1884.4	1673.3	981.8	422.4	330.0	325.1	318.4	293.7	262.4	240.9	237.6
52.5°	2133.7	1835.0	1004.9	384.5	302.0	310.2	298.7	272.2	237.6	216.2	214.5
55°	2415.8	2041.2	1051.2	344.9	280.5	293.7	285.5	255.8	221.1	206.2	204.6
57.5°	2747.5	2259.0	1122.1	313.5	262.4	272.2	270.6	244.2	221.1	211.3	211.3
60°	3095.7	2539.6	1156.7	290.4	244.2	255.8	269.0	249.2	232.7	224.4	222.8
62.5°	3437.3	2805.3	1052.8	270.6	231.0	250.8	277.3	270.6	245.9	244.2	242.6
65°	3693.0	3003.3	797.0	250.8	221.1	260.7	313.5	292.1	255.8	252.4	250.8
67.5°	3818.5	3103.9	533.0	236.0	212.9	272.2	346.6	302.0	250.8	242.6	234.4
70°	3663.3	2947.1	354.8	217.8	199.7	267.3	368.0	303.6	240.9	229.3	217.8
72.5°	3128.7	2542.9	270.6	201.3	186.4	257.5	372.9	295.3	231.0	207.9	199.7
75°	2216.1	1754.1	217.8	181.5	165.0	244.2	369.7	282.2	214.5	189.8	183.1
77.5°	1128.7	787.1	170.0	156.8	140.2	229.3	354.8	231.0	161.7	140.2	136.9
80°	313.5	234.4	132.0	123.8	108.9	189.8	272.2	184.8	130.4	115.5	108.9
82.5°	108.9	99.0	90.7	79.2	77.6	153.5	234.4	150.2	95.7	70.9	69.3
85°	39.6	38.0	42.9	42.9	44.6	79.2	122.1	67.7	41.3	29.7	28.0
87.5°	4.9	4.9	6.6	4.9	6.6	1.6	1.6	1.6	1.6	1.6	1.6
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)