

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: P286997

Luminaire Tested: **PRV-C60-D-UNV-T5-BZ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286997
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-10)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C60-D-UNV-T5-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE V OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21748 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U0 - G5

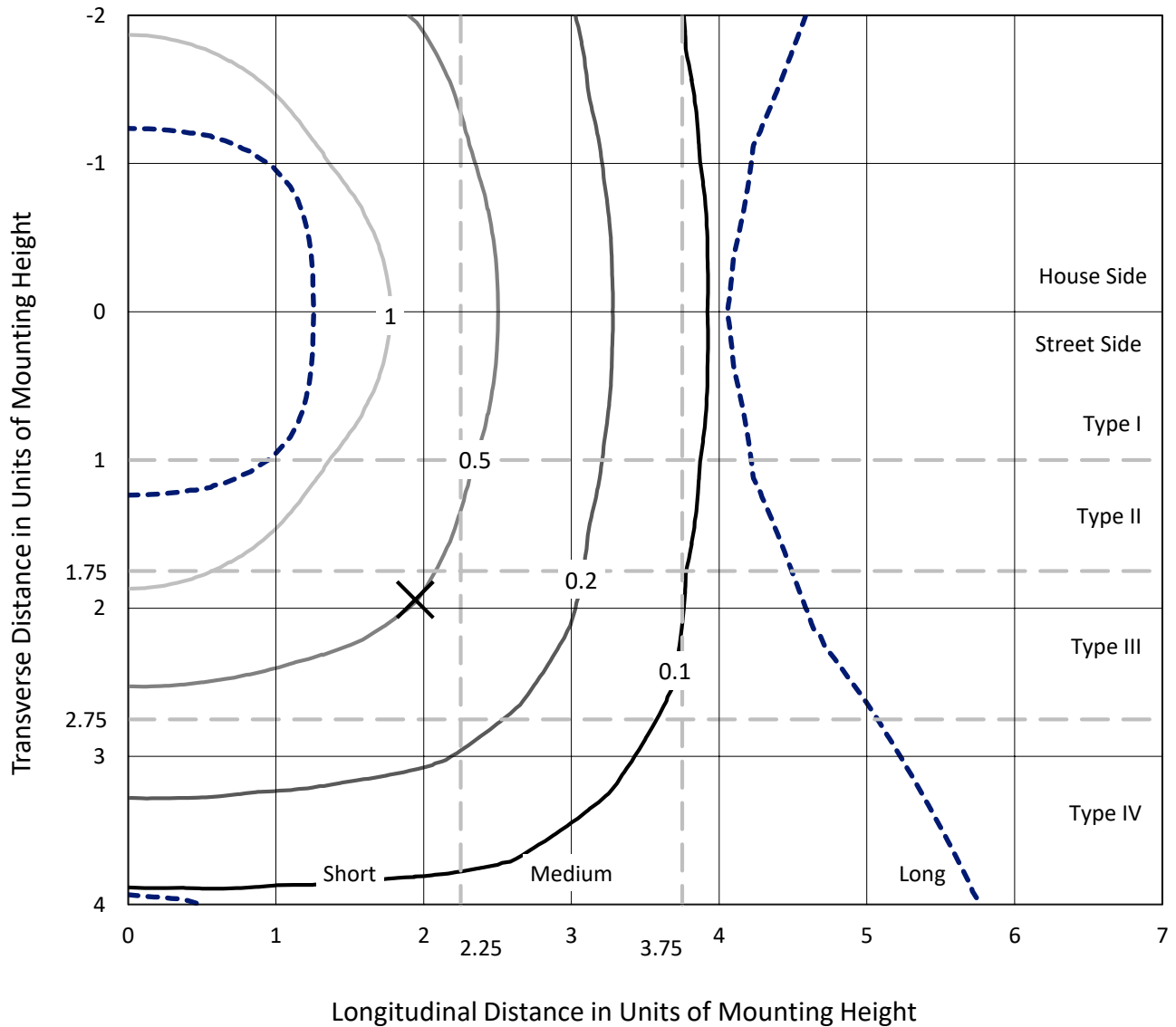
Input Watts (W): 153
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

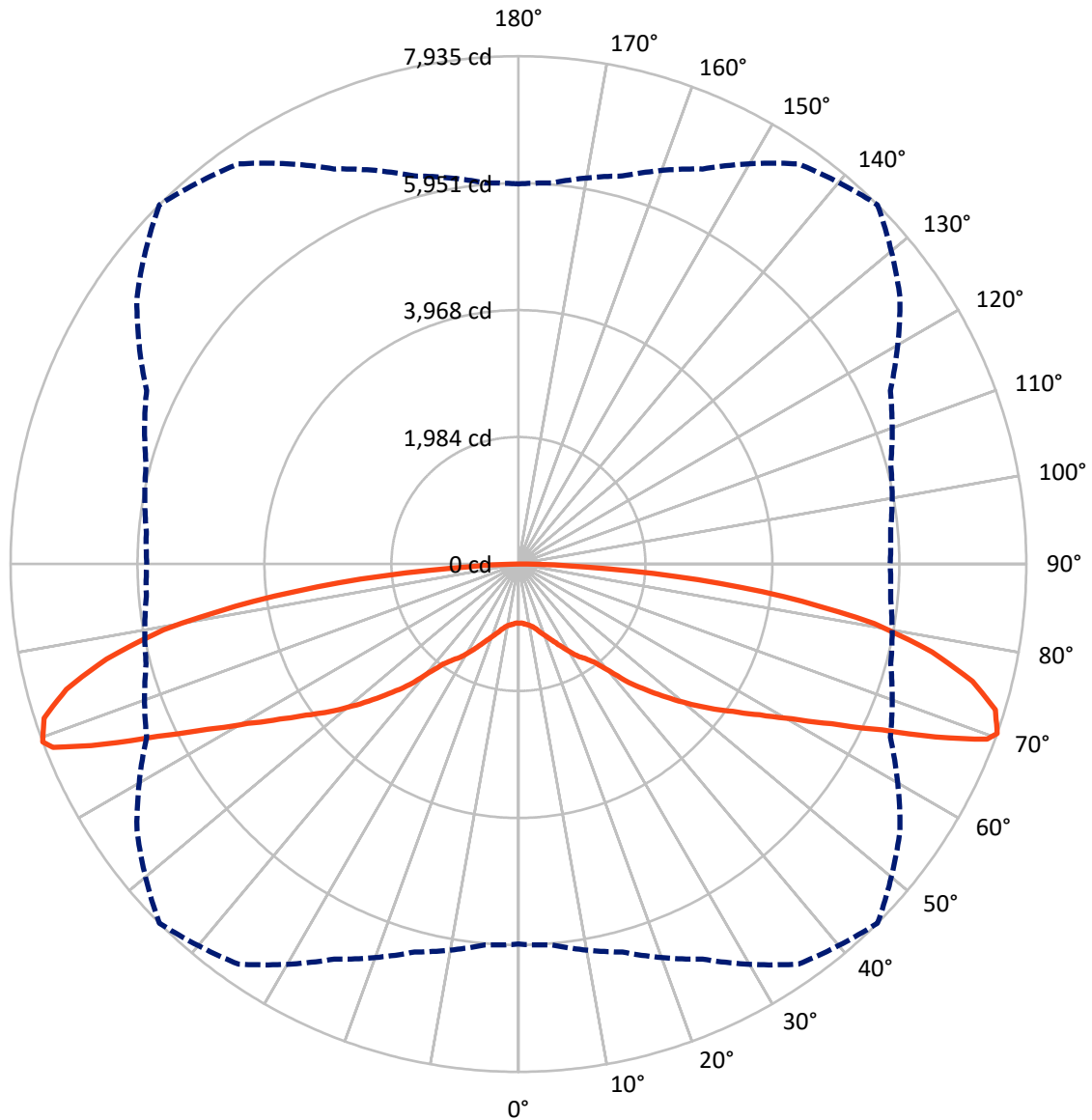
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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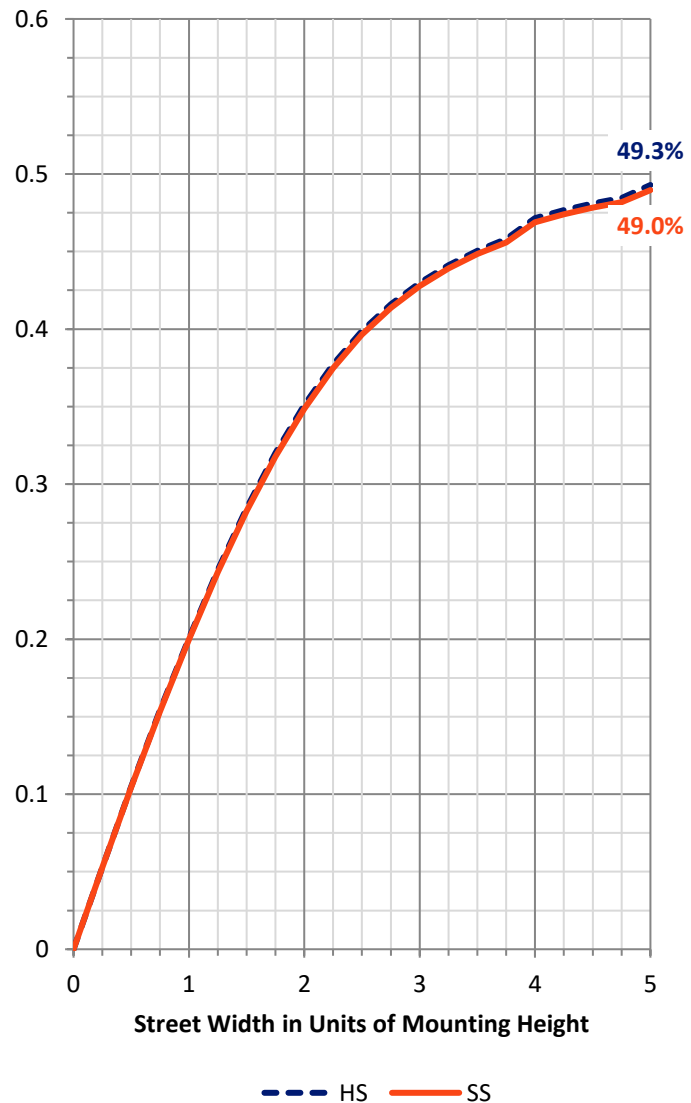
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10874.0	0.0	10874.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10874.0	0.0	10874.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21748.0	0.0	21748.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	0.4
10°-20°	303.4	1.4
20°-30°	627.5	2.9
30°-40°	1149.6	5.3
40°-50°	2276.7	10.5
50°-60°	3901.3	17.9
60°-70°	6142.4	28.2
70°-80°	5740.4	26.4
80°-90°	1515.7	7.0
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°	21748.0	100.0
0°-180°	21748.0	100.0



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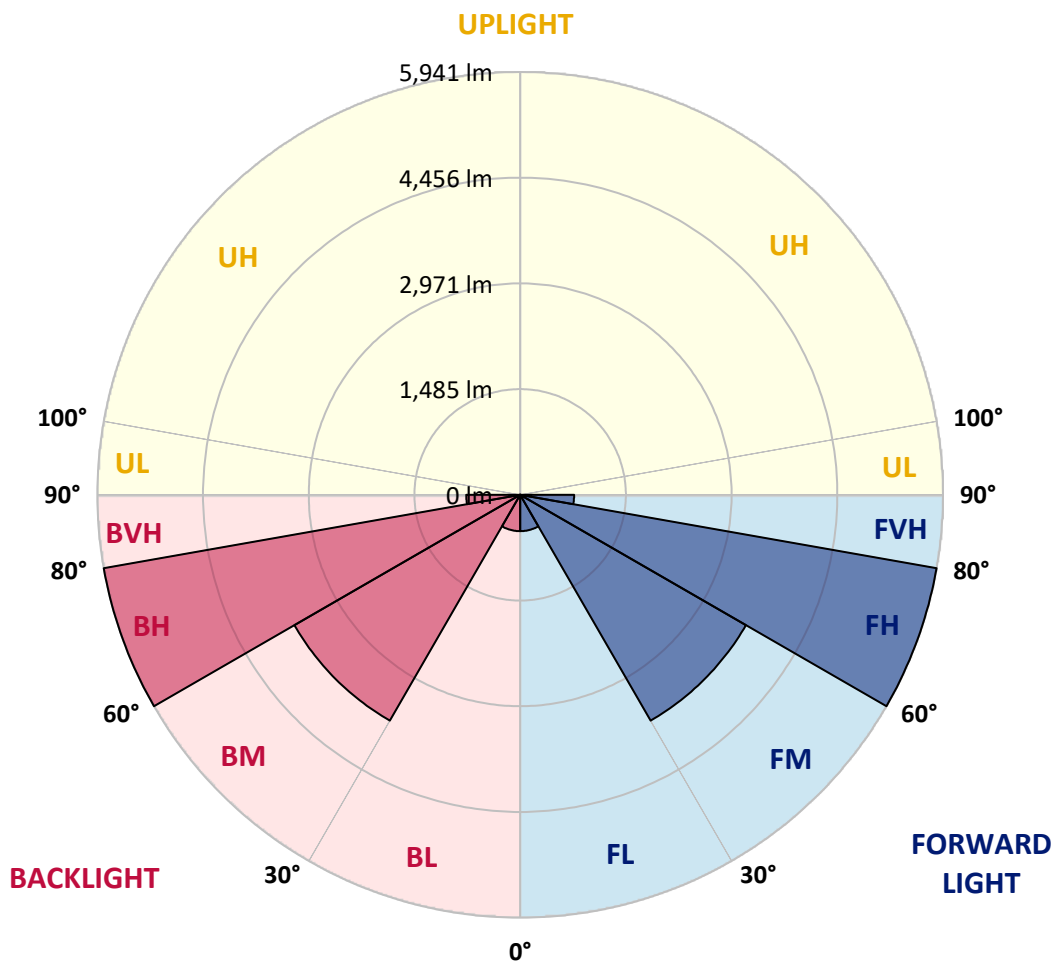
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	510.9	2.3			
FM	(30°-60°)	3663.8	16.8			
FH	(60°-80°)	5941.4	27.3			G3/7500
FVH	(80°-90°)	757.9	3.5			G5
BL	(0°-30°)	510.9	2.3	B2/1000		
BM	(30°-60°)	3663.8	16.8	B3/5000		
BH	(60°-80°)	5941.4	27.3	B5		G3/7500
BVH	(80°-90°)	757.9	3.5			G5
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	938.1	939.1	937.1	927.1	926.1	923.1	922.1	926.1	926.1	926.1	924.1
5°	955.1	952.1	946.1	942.1	940.1	938.1	935.1	941.1	943.1	946.1	938.1
7.5°	966.1	966.1	965.1	958.1	961.1	955.1	950.1	955.1	959.1	957.1	956.1
10°	988.0	990.0	986.0	979.0	985.0	974.0	967.1	971.0	970.0	969.0	971.0
12.5°	1017.9	1019.9	1015.0	1009.0	1016.9	1007.0	1000.0	999.0	997.0	996.0	993.0
15°	1058.9	1059.9	1055.9	1050.9	1062.9	1056.9	1052.9	1039.9	1039.9	1036.9	1037.9
17.5°	1107.8	1112.8	1109.8	1109.8	1128.7	1124.7	1107.8	1092.8	1097.8	1090.8	1090.8
20°	1171.6	1169.6	1172.6	1177.6	1199.6	1193.6	1175.6	1154.7	1160.7	1153.7	1152.7
22.5°	1245.5	1246.5	1248.5	1252.5	1284.4	1273.4	1254.5	1237.5	1236.5	1232.5	1233.5
25°	1332.3	1331.3	1325.3	1340.3	1376.2	1365.2	1342.3	1330.3	1332.3	1332.3	1333.3
27.5°	1420.1	1413.2	1411.2	1412.2	1482.0	1476.0	1440.1	1418.1	1422.1	1430.1	1433.1
30°	1508.0	1506.0	1501.0	1495.0	1574.8	1595.8	1531.9	1518.9	1523.9	1536.9	1539.9
32.5°	1626.7	1621.7	1616.7	1601.8	1652.7	1718.5	1636.7	1639.7	1653.7	1673.6	1676.6
35°	1758.5	1759.5	1745.5	1732.5	1761.4	1818.3	1778.4	1782.4	1813.3	1840.3	1847.3
37.5°	1919.1	1922.1	1899.2	1872.2	1898.2	1958.1	1931.1	1973.0	2050.9	2094.8	2112.7
40°	2189.6	2182.6	2148.7	2097.8	2121.7	2202.6	2231.5	2285.4	2393.2	2454.1	2477.0
42.5°	2566.8	2553.9	2508.9	2455.1	2462.0	2531.9	2573.8	2678.6	2794.4	2857.2	2869.2
45°	2927.1	2921.1	2871.2	2774.4	2745.5	2807.3	2860.2	2991.0	3116.7	3182.6	3209.5
47.5°	3332.3	3327.3	3257.4	3132.7	3080.8	3108.7	3144.7	3295.4	3405.1	3477.0	3493.0
50°	3766.4	3754.4	3679.6	3526.9	3430.1	3420.1	3461.0	3589.8	3716.5	3779.4	3774.4
52.5°	4207.5	4202.5	4124.7	3937.1	3810.3	3745.4	3762.4	3872.2	3994.9	4074.8	4079.8
55°	4663.6	4667.6	4579.8	4354.2	4181.6	4066.8	4056.8	4183.6	4306.3	4374.2	4393.1
57.5°	5135.6	5136.6	5025.9	4818.3	4597.7	4447.0	4394.1	4534.9	4650.6	4711.5	4746.4
60°	5575.8	5585.7	5493.9	5323.3	5112.7	4910.1	4824.3	4948.0	5067.8	5154.6	5155.6
62.5°	6077.7	6070.8	5985.9	5847.2	5714.5	5494.9	5335.2	5466.0	5588.7	5666.6	5703.5
65°	6558.8	6570.8	6550.8	6494.9	6418.1	6250.4	6043.8	6222.5	6304.3	6300.3	6336.2
67.5°	6426.0	6480.9	6612.7	6895.1	7186.5	7256.4	6929.0	6539.8	6365.2	6255.4	6219.5
69°	6167.6	6228.4	6462.0	6882.1	7504.9	7816.2	7195.5	6463.0	6193.5	6040.8	6008.9
70°	5938.0	5975.0	6276.3	6811.3	7630.6	7935.0	7276.3	6410.1	6021.9	5836.2	5807.3
72.5°	5233.4	5307.3	5641.6	6435.0	7544.8	7791.3	7246.4	6060.8	5533.8	5234.4	5202.5
75°	4315.3	4390.1	4849.2	5745.4	7063.8	7328.2	6789.3	5434.0	4754.4	4465.0	4405.1
77.5°	3074.8	3129.7	3663.6	4738.4	6247.4	6606.7	6024.9	4550.8	3819.3	3497.9	3421.1
80°	1800.4	1822.3	2350.3	3375.2	4982.0	5635.6	4973.0	3530.9	2729.5	2376.2	2326.3
82.5°	677.6	847.3	1249.5	2086.8	3400.1	4180.6	3666.6	2410.1	1629.7	1264.5	1218.5
85°	206.6	282.4	533.9	1033.9	1870.2	2480.0	2307.3	1337.3	676.6	386.2	337.3
87.5°	35.9	45.9	122.8	332.3	690.6	697.6	540.9	245.5	48.9	18.0	17.0
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)