

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: P511108

Luminaire Tested: **PRV-P-PA1A-750-U-T3-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-PA1A-750-U-T3-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

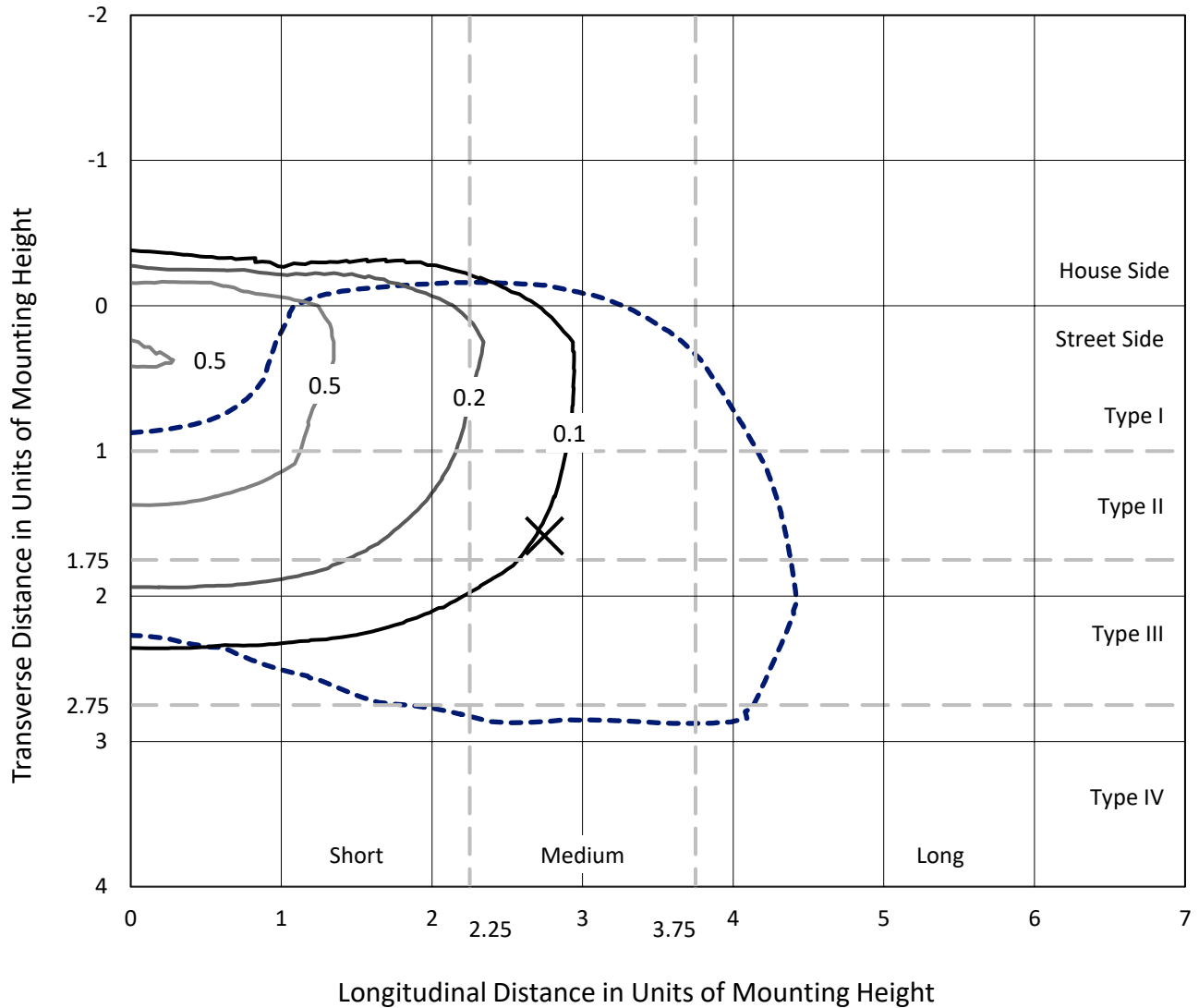
Lumens per Lamp: N/A  
Luminaire Lumens: 3406 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): 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: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

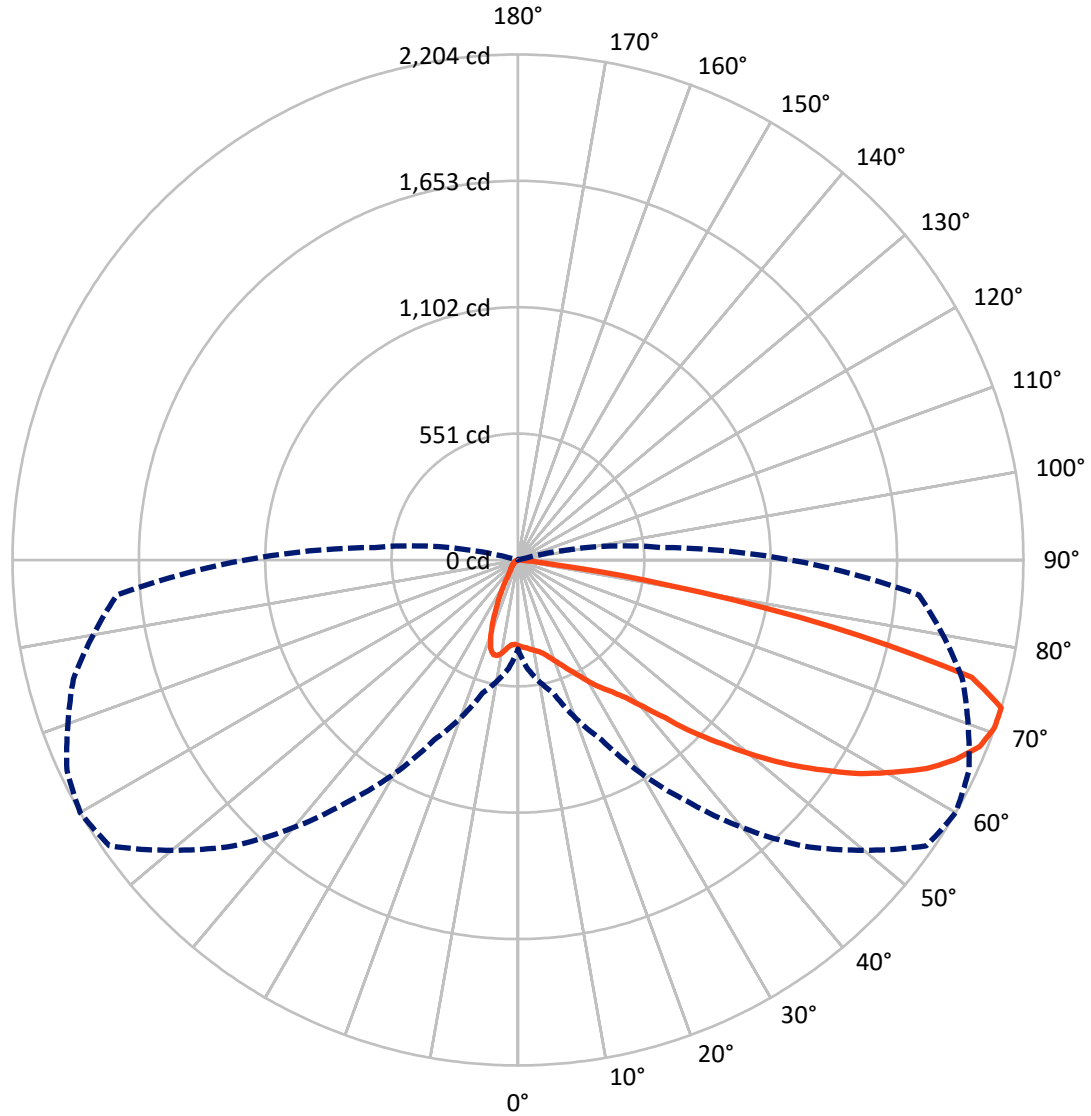
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P511108  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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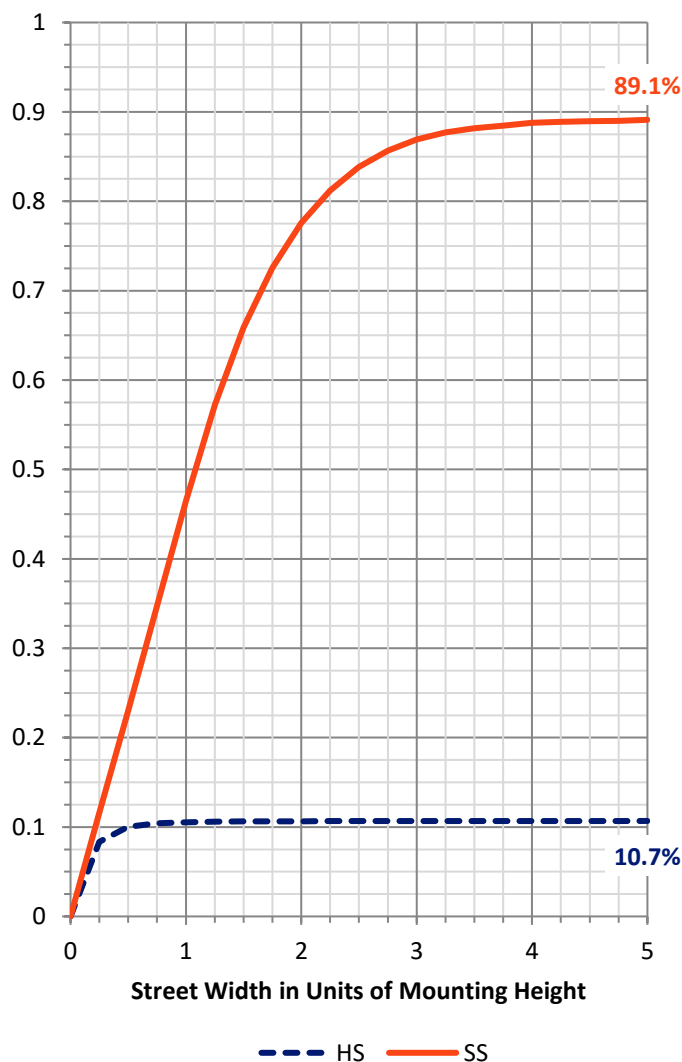
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	367.2	0.0	367.2
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	3038.8	0.0	3038.8
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	3406.0	0.0	3406.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	1.1
10°-20°	99.0	2.9
20°-30°	163.3	4.8
30°-40°	288.3	8.5
40°-50°	506.0	14.9
50°-60°	793.2	23.3
60°-70°	934.8	27.4
70°-80°	558.5	16.4
80°-90°	26.6	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°	3406.0	100.0
0°-180°	3406.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P511108

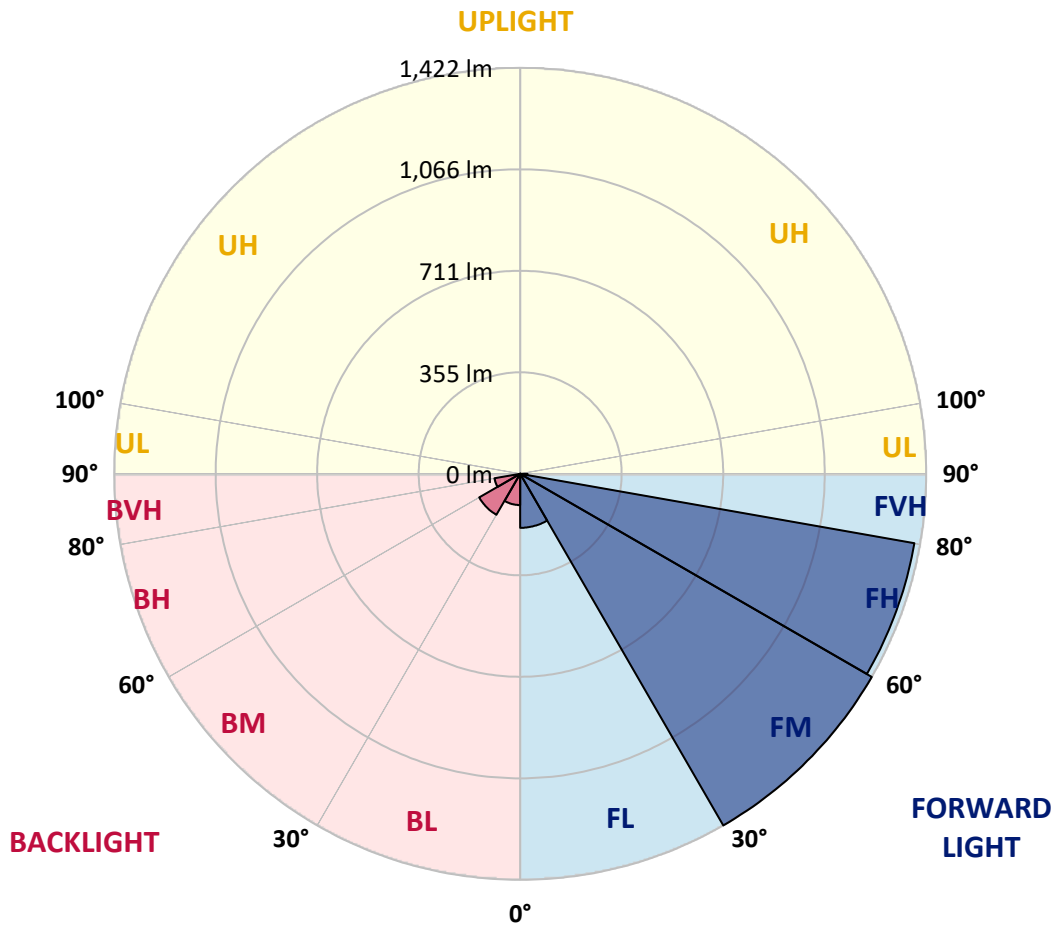
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.1	5.6			
FM (30°-60°)	1421.8	41.7			
FH (60°-80°)	1401.9	41.2			G1/1800
FVH (80°-90°)	26.0	0.8			G1/100
BL (0°-30°)	109.4	3.2	B0/110		
BM (30°-60°)	165.7	4.9	B0/220		
BH (60°-80°)	91.4	2.7	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	374	374	374	374	374	374	374	374	374	374	374
2.5°	384	385	381	385	383	383	382	380	378	377	377
5°	378	378	375	382	384	385	386	385	386	381	381
7.5°	349	350	353	362	371	382	393	393	395	396	394
10°	340	340	340	352	360	379	394	401	406	410	415
12.5°	337	336	340	354	366	382	403	410	418	430	437
15°	337	337	338	354	371	393	414	424	433	450	460
17.5°	346	345	346	359	375	404	436	446	456	472	487
20°	355	354	353	367	383	417	456	471	488	500	513
22.5°	371	370	366	375	393	433	481	501	518	530	541
25°	426	423	409	399	412	449	507	535	556	565	571
27.5°	523	527	496	456	439	473	538	572	595	602	595
30°	658	652	614	560	502	503	579	619	646	649	631
32.5°	777	776	736	677	590	556	613	663	695	695	665
35°	881	876	839	789	706	633	657	705	746	744	708
37.5°	963	961	939	893	824	735	715	761	815	812	768
40°	1050	1052	1045	999	927	856	808	840	893	897	851
42.5°	1160	1163	1149	1105	1041	979	935	940	991	997	932
45°	1294	1293	1277	1235	1173	1113	1080	1072	1096	1110	1044
47.5°	1397	1399	1400	1385	1322	1280	1227	1198	1225	1233	1155
50°	1479	1508	1497	1512	1483	1458	1374	1341	1361	1371	1283
52.5°	1538	1561	1573	1618	1628	1650	1522	1482	1487	1493	1399
55°	1518	1532	1599	1679	1763	1834	1654	1618	1617	1619	1542
57.5°	1459	1480	1595	1696	1857	1961	1798	1758	1758	1728	1689
60°	1388	1401	1543	1688	1908	2041	1912	1879	1878	1837	1848
62.5°	1301	1308	1431	1638	1887	2035	2024	2003	1993	1928	1973
65°	1189	1190	1295	1543	1830	2024	2096	2097	2090	2010	2082
67.5°	1008	1028	1118	1383	1726	2000	2141	2171	2160	2061	2102
70°	773	798	917	1148	1566	1939	2181	2202	2185	2068	2029
72.5°	389	475	602	865	1283	1765	2174	2204	2170	2007	1755
75°	64	71	162	399	805	1415	2014	2043	1990	1674	1136
77.5°	40	43	66	168	274	685	1443	1396	1394	1002	484
80°	24	25	35	76	147	145	700	667	600	258	99
82.5°	14	15	26	39	81	49	107	139	149	52	20
85°	1	1	8	18	19	11	13	22	20	25	9
87.5°	0	0	0	1	2	2	3	3	3	4	3
90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P511108  
 CATALOG NUMBER: PRV-P-PA1A-750-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	374	374	374	374	374	374	374	374	374	374	374
2.5°	374	376	371	370	366	367	368	367	367	368	369
5°	379	378	374	373	370	372	373	374	376	375	375
7.5°	391	392	388	388	386	386	384	382	381	379	383
10°	414	415	412	411	407	398	380	358	335	326	329
12.5°	435	441	437	434	418	380	316	260	227	207	209
15°	460	465	463	452	402	305	213	152	128	115	119
17.5°	486	491	487	460	350	209	124	93	87	84	85
20°	514	519	510	441	267	131	84	80	79	79	79
22.5°	542	547	533	398	184	86	77	75	74	72	73
25°	566	577	549	335	112	75	72	70	67	65	66
27.5°	594	604	544	258	79	70	66	62	59	57	57
30°	626	636	520	169	69	64	59	54	49	47	47
32.5°	659	667	481	103	62	57	51	44	39	36	36
35°	702	703	434	69	55	49	42	35	29	27	27
37.5°	759	752	376	57	48	41	33	26	22	20	21
40°	836	804	308	50	42	34	25	19	16	16	16
42.5°	917	857	233	46	37	27	18	14	13	13	13
45°	1013	908	152	41	31	21	13	10	10	11	11
47.5°	1109	953	91	36	26	16	10	8	8	9	10
50°	1217	992	61	32	22	12	8	7	7	9	9
52.5°	1326	1016	48	27	17	10	7	6	6	8	8
55°	1418	1036	41	23	13	8	7	6	6	7	8
57.5°	1506	1043	35	19	10	8	6	5	5	7	7
60°	1576	1038	30	15	9	7	5	4	4	6	7
62.5°	1624	1021	23	11	8	7	5	3	4	5	6
65°	1649	985	17	9	7	6	4	3	3	4	4
67.5°	1603	928	13	7	6	6	4	2	2	3	3
70°	1474	843	11	6	5	5	3	2	1	2	2
72.5°	1189	626	9	5	4	4	3	1	1	1	2
75°	727	205	6	4	3	3	2	1	1	1	1
77.5°	284	51	4	2	2	2	1	1	0	1	1
80°	53	10	2	2	1	1	1	0	0	1	1
82.5°	13	3	2	2	1	1	1	0	0	0	1
85°	4	2	2	1	1	1	0	0	0	0	0
87.5°	2	2	2	1	1	1	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)