

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: P511100

Luminaire Tested: **PRV-P-PA1A-740-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1A-740-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4443 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

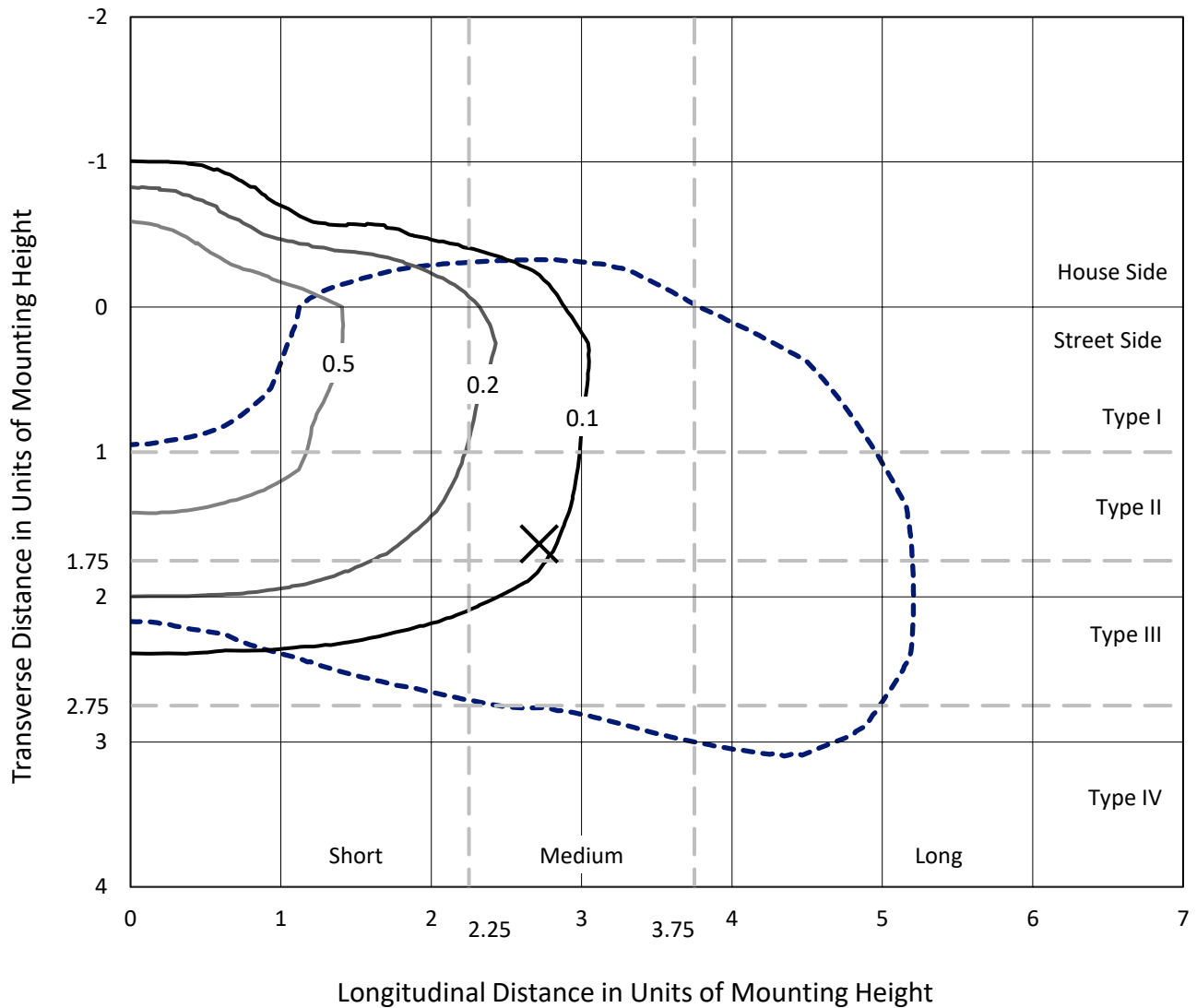
Input Watts (W): 30.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

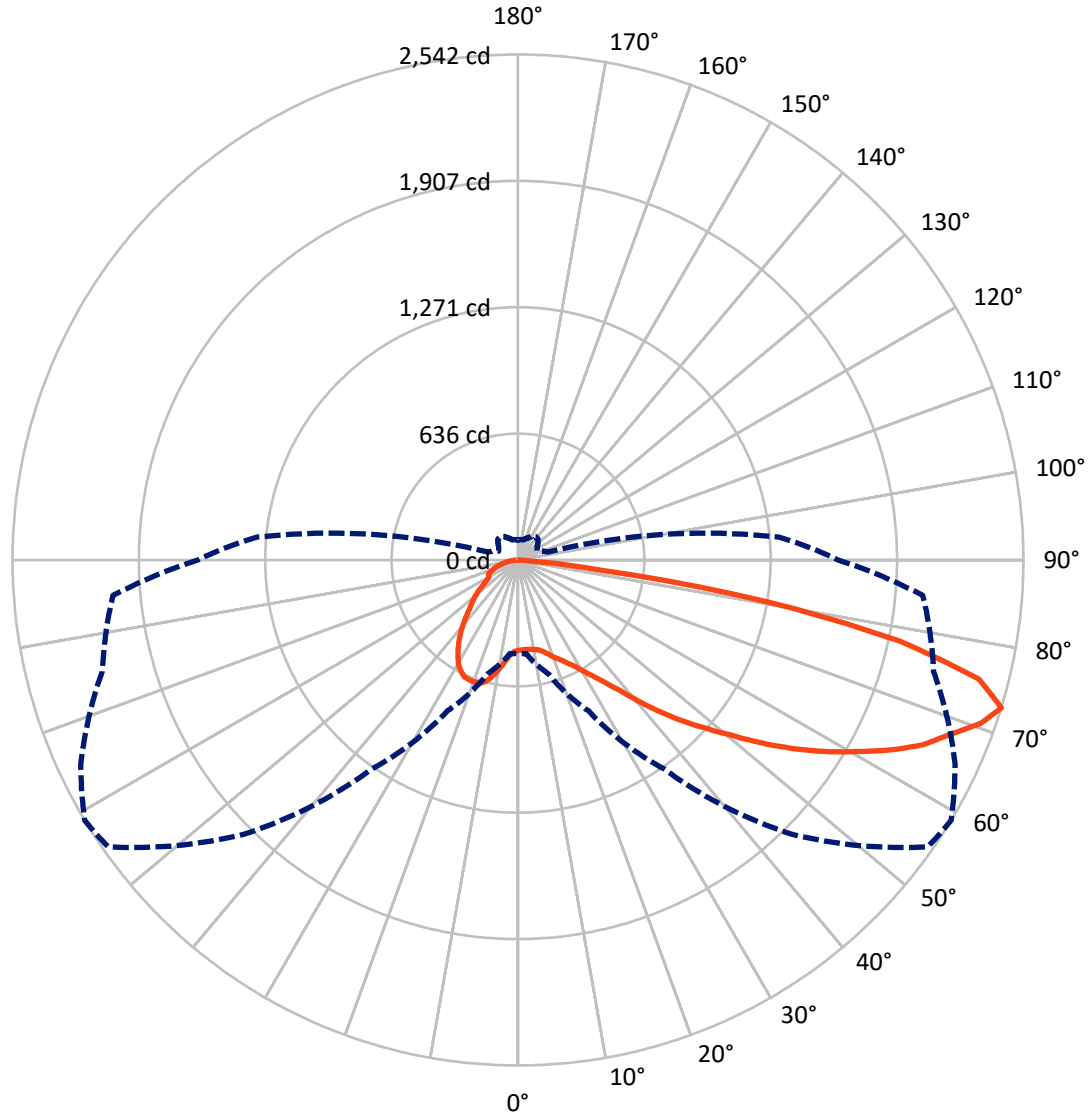
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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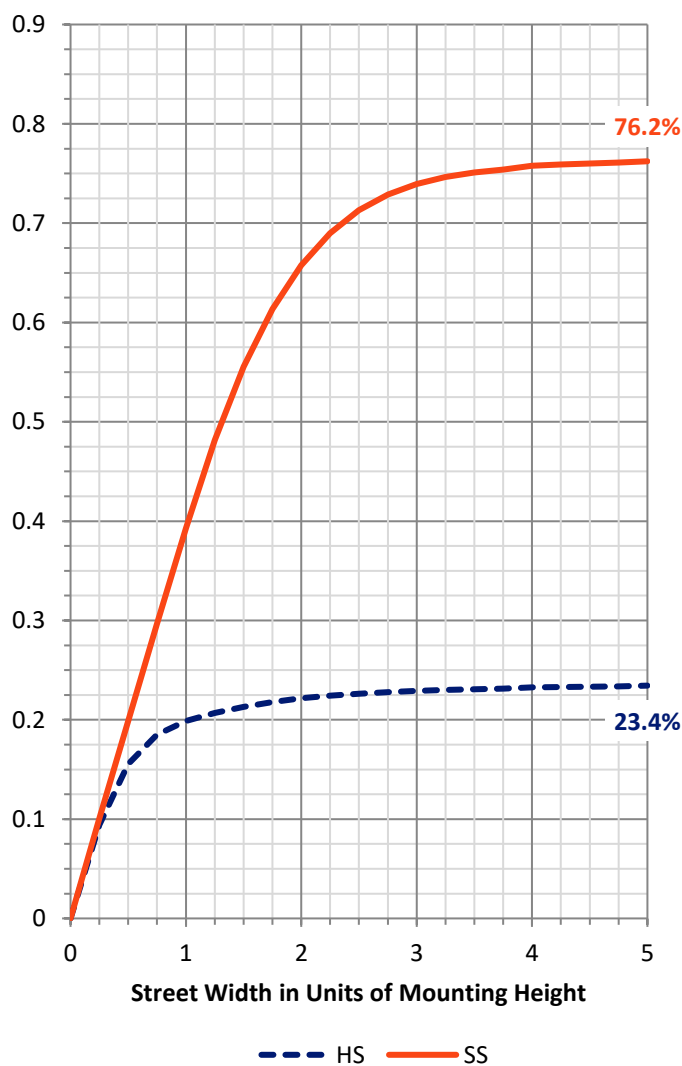
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1051.1	0.0	1051.1
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	3391.9	0.0	3391.9
	% Fixture	76.3	0.0	76.3
Total	Lumens	4443.0	0.0	4443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	1.0
10°-20°	149.9	3.4
20°-30°	276.9	6.2
30°-40°	421.3	9.5
40°-50°	634.8	14.3
50°-60°	943.2	21.2
60°-70°	1122.5	25.3
70°-80°	759.7	17.1
80°-90°	89.1	2.0
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°	4443.0	100.0
0°-180°	4443.0	100.0

Coefficient of Utilization



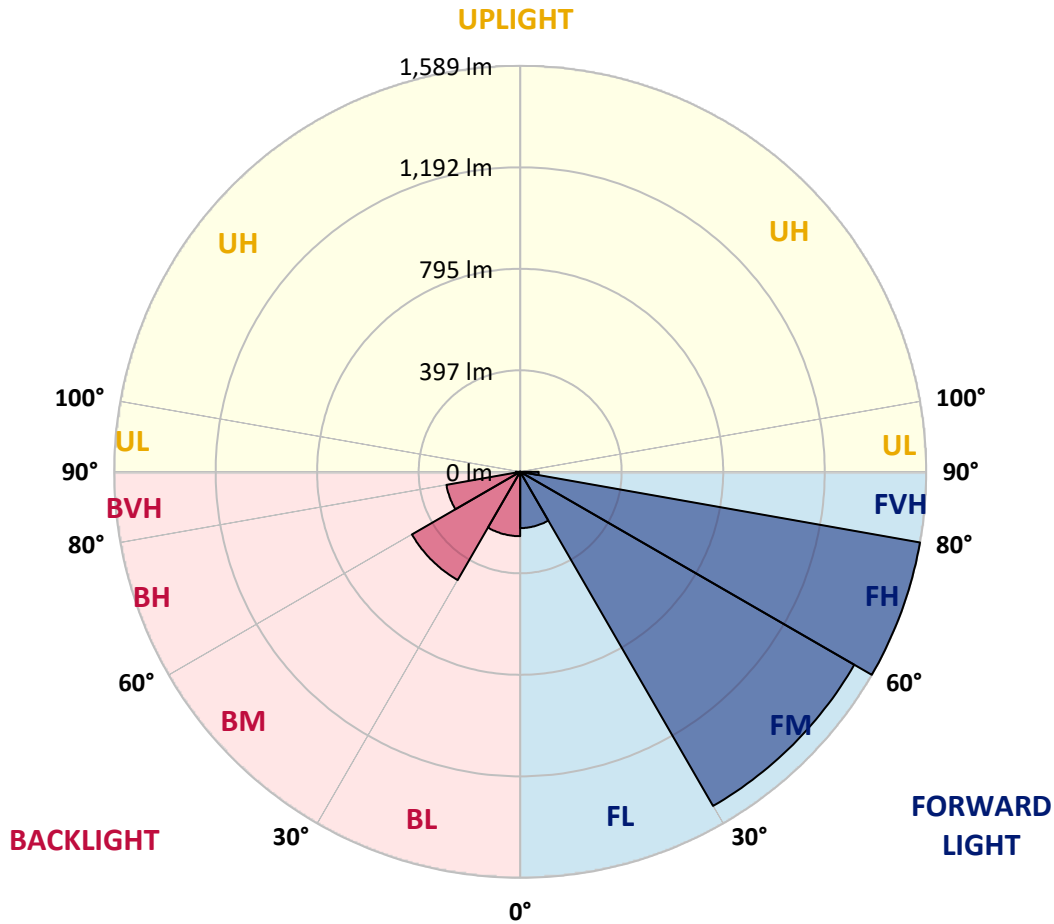
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.2	5.0			
FM (30°-60°)	1510.0	34.0			
FH (60°-80°)	1589.2	35.8			G1/1800
FVH (80°-90°)	72.4	1.6			G1/100
BL (0°-30°)	252.1	5.7	B1/500		
BM (30°-60°)	489.3	11.0	B1/1000		
BH (60°-80°)	293.1	6.6	B1/500		G1/500
BVH (80°-90°)	16.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	455	455	455	455	455	455	455	455	455	455	455
2.5°	450	452	451	451	452	452	454	452	455	454	453
5°	432	431	433	436	440	447	451	452	454	457	457
7.5°	398	399	403	410	421	437	453	454	460	467	471
10°	390	391	393	403	414	432	453	458	469	480	490
12.5°	386	388	390	402	418	436	458	464	480	498	513
15°	389	390	393	403	420	444	468	478	494	517	536
17.5°	401	401	399	408	423	453	484	498	515	539	563
20°	430	430	426	421	431	461	504	522	542	567	590
22.5°	490	489	477	459	455	476	525	545	572	598	618
25°	578	578	557	527	506	504	547	572	606	631	644
27.5°	679	675	647	613	573	551	581	604	643	668	671
30°	758	762	736	689	642	613	624	649	691	710	703
32.5°	855	845	823	779	725	684	682	697	733	756	737
35°	920	917	902	863	806	763	741	758	792	803	780
37.5°	988	990	980	944	896	838	822	831	866	872	842
40°	1081	1083	1077	1041	982	938	924	933	965	964	919
42.5°	1198	1199	1202	1148	1085	1042	1033	1039	1075	1063	1015
45°	1349	1342	1345	1293	1217	1170	1155	1151	1176	1176	1124
47.5°	1464	1469	1476	1440	1375	1335	1277	1262	1285	1292	1239
50°	1565	1580	1576	1585	1532	1516	1414	1382	1411	1415	1365
52.5°	1630	1658	1663	1697	1711	1732	1554	1526	1538	1539	1498
55°	1629	1652	1709	1787	1860	1915	1705	1673	1672	1672	1644
57.5°	1600	1615	1721	1821	1961	2049	1859	1818	1801	1803	1800
60°	1520	1546	1693	1830	2039	2139	1984	1957	1942	1911	1985
62.5°	1445	1453	1589	1807	2052	2178	2129	2104	2087	2026	2134
65°	1288	1293	1422	1682	2004	2203	2253	2239	2203	2132	2257
67.5°	1067	1083	1191	1491	1876	2214	2351	2341	2296	2179	2312
70°	788	801	934	1201	1655	2156	2477	2466	2374	2201	2248
72.5°	470	473	593	836	1284	1951	2516	2542	2426	2164	2044
75°	192	180	234	402	785	1443	2335	2395	2368	2028	1688
77.5°	90	89	119	207	332	743	1882	1962	2007	1744	1281
80°	51	52	68	105	190	199	1122	1268	1289	1113	737
82.5°	42	42	46	58	107	89	204	403	573	505	266
85°	16	17	20	24	50	34	44	61	102	142	24
87.5°	1	1	1	2	2	3	4	5	4	5	4
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	455	455	455	455	455	455	455	455	455	455	455
2.5°	456	457	458	459	461	464	466	466	468	471	472
5°	459	462	466	472	480	488	497	502	506	510	510
7.5°	473	477	488	500	516	529	537	547	552	556	556
10°	497	501	521	542	560	575	579	582	586	590	585
12.5°	519	533	556	579	603	608	602	586	578	577	573
15°	545	562	594	617	636	620	587	583	587	595	596
17.5°	575	588	625	653	644	608	607	607	609	610	607
20°	599	621	661	677	634	621	614	606	603	603	602
22.5°	628	646	689	679	632	620	603	593	593	598	596
25°	653	679	717	671	631	603	584	580	582	590	588
27.5°	678	708	733	661	608	573	561	560	550	552	550
30°	712	736	734	657	572	543	531	502	487	495	495
32.5°	740	766	726	626	533	514	468	439	434	439	445
35°	783	805	721	584	493	459	403	384	379	382	385
37.5°	844	852	740	531	457	389	349	335	322	310	314
40°	921	912	762	491	408	331	309	292	268	250	249
42.5°	1006	968	764	457	352	292	272	251	226	206	204
45°	1105	1042	748	427	298	265	243	218	194	178	179
47.5°	1222	1119	726	393	265	240	215	193	174	161	162
50°	1348	1193	701	353	238	215	193	175	160	151	150
52.5°	1484	1277	690	303	214	197	178	165	151	138	135
55°	1632	1356	697	244	191	181	170	154	154	150	147
57.5°	1766	1433	724	206	173	175	168	185	190	184	181
60°	1890	1512	723	178	164	190	212	206	177	165	161
62.5°	1975	1579	641	158	171	227	218	183	157	152	149
65°	2029	1609	481	147	177	214	195	163	145	146	145
67.5°	2005	1586	327	132	157	184	177	150	132	140	137
70°	1871	1501	215	120	139	165	163	136	120	123	119
72.5°	1611	1317	155	106	118	144	148	123	105	103	100
75°	1289	1016	114	92	98	121	130	108	92	87	85
77.5°	927	658	87	76	79	99	113	90	74	68	66
80°	512	319	65	59	57	74	83	75	57	53	51
82.5°	179	95	45	38	36	52	60	55	39	33	34
85°	21	27	19	18	16	21	27	21	12	11	11
87.5°	3	3	3	2	2	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)