

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: P380932

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

Issue Date: 1/15/2020

Test Information

Test Method: LM-79-08
Report Number: P380932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-568-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 1/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-PA1A-740-U-T3
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: Rectangular (W 1.1' x L: 1.12' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

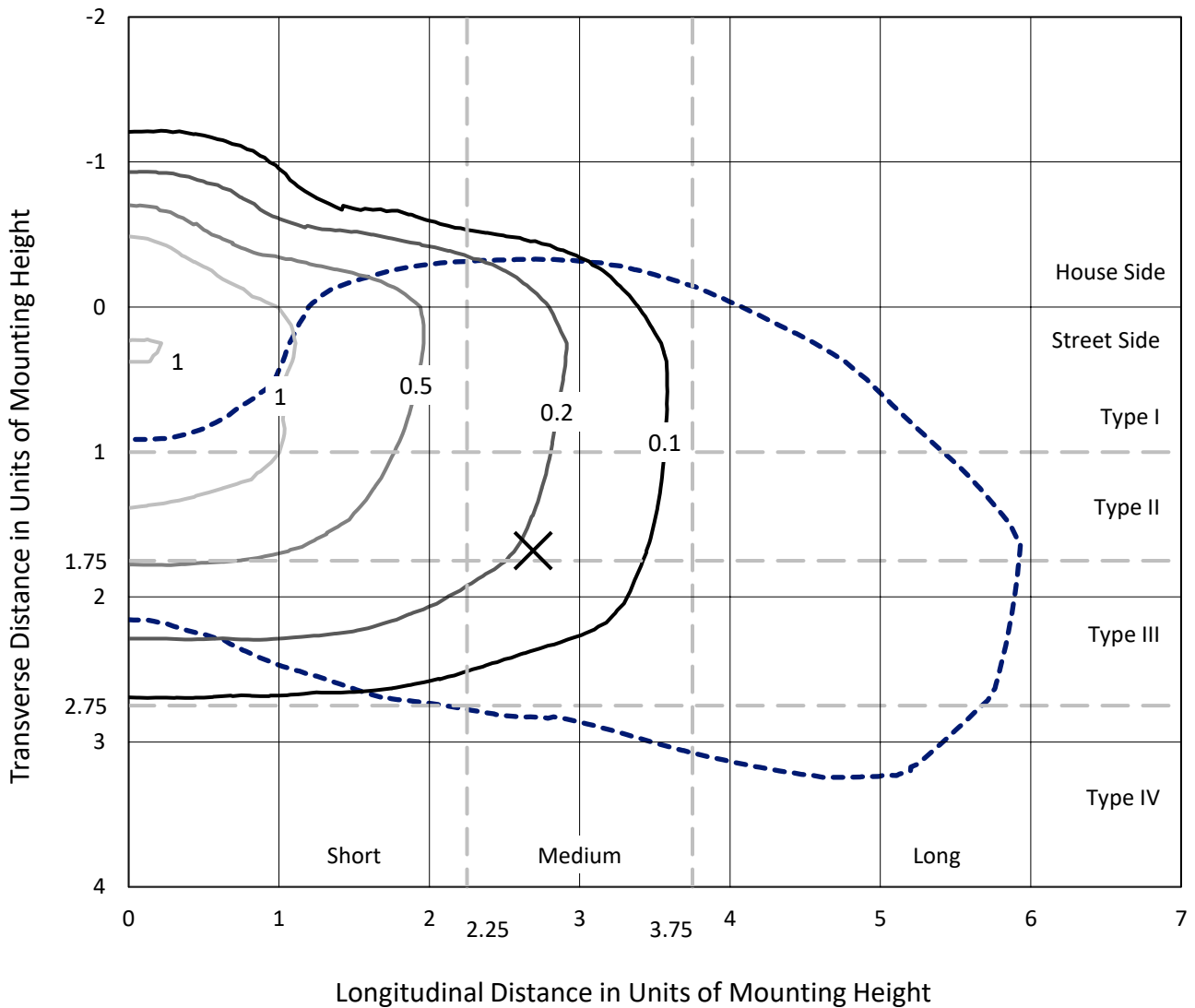
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

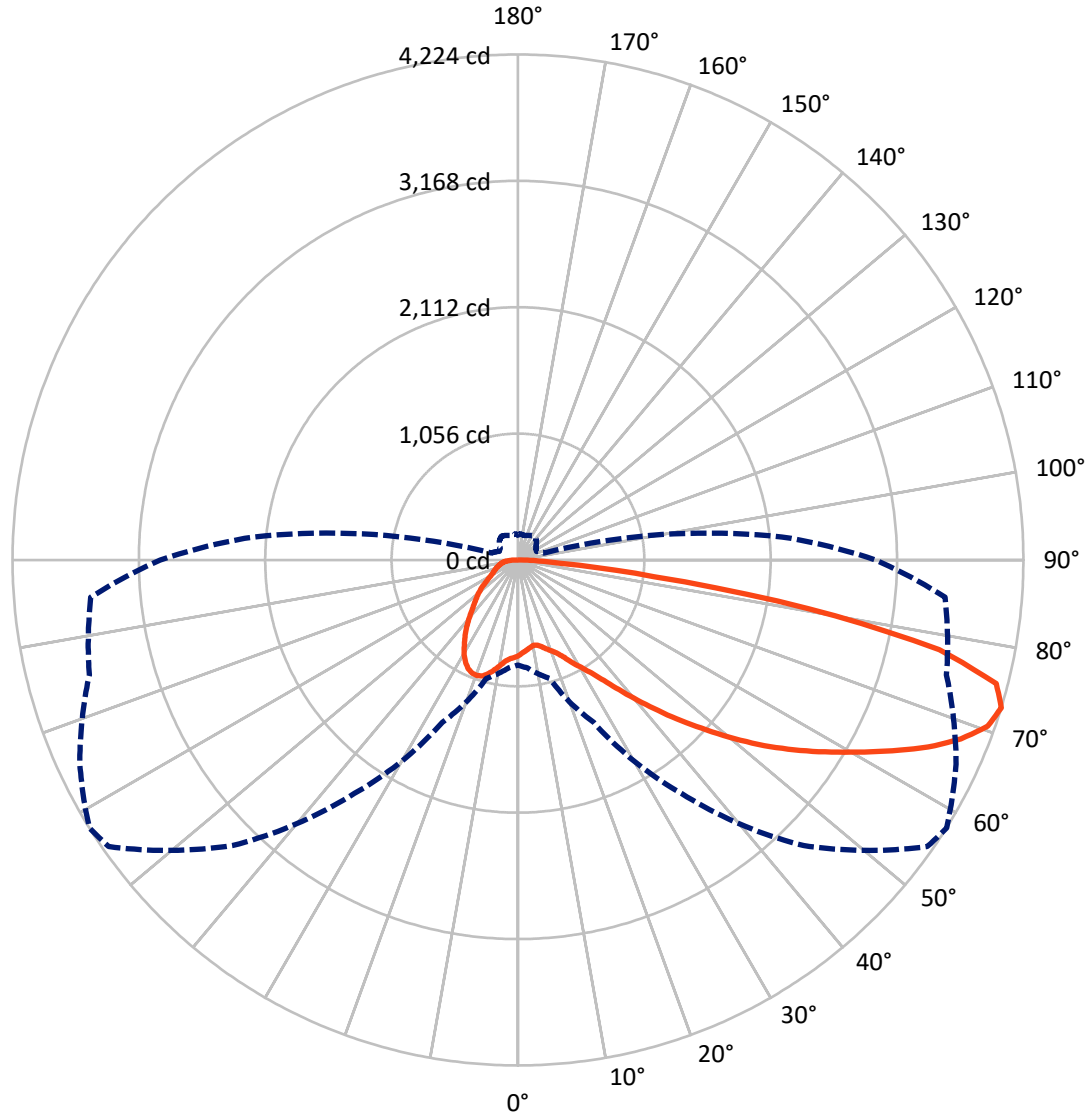
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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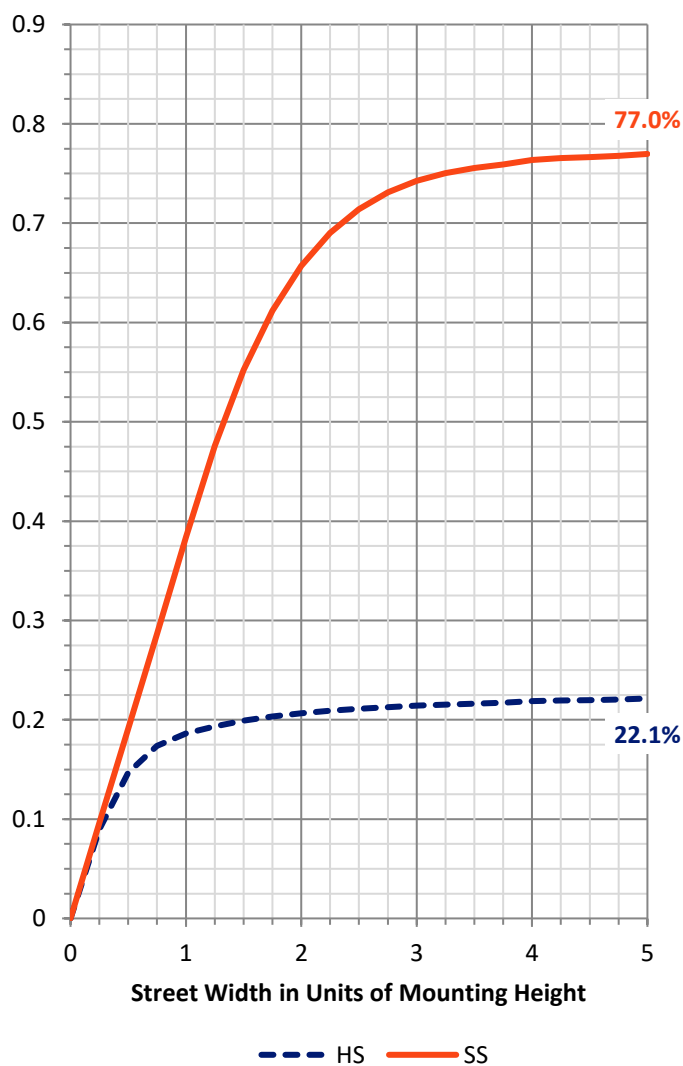
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.9	0.0	1717.9
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5857.1	0.0	5857.1
	% Fixture	77.3	0.0	77.3
Total	Lumens	7575.0	0.0	7575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	1.0
10°-20°	244.4	3.2
20°-30°	437.9	5.8
30°-40°	658.7	8.7
40°-50°	1066.6	14.1
50°-60°	1605.6	21.2
60°-70°	1889.6	24.9
70°-80°	1339.9	17.7
80°-90°	255.3	3.4
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°	7575.0	100.0
0°-180°	7575.0	100.0

Coefficient of Utilization

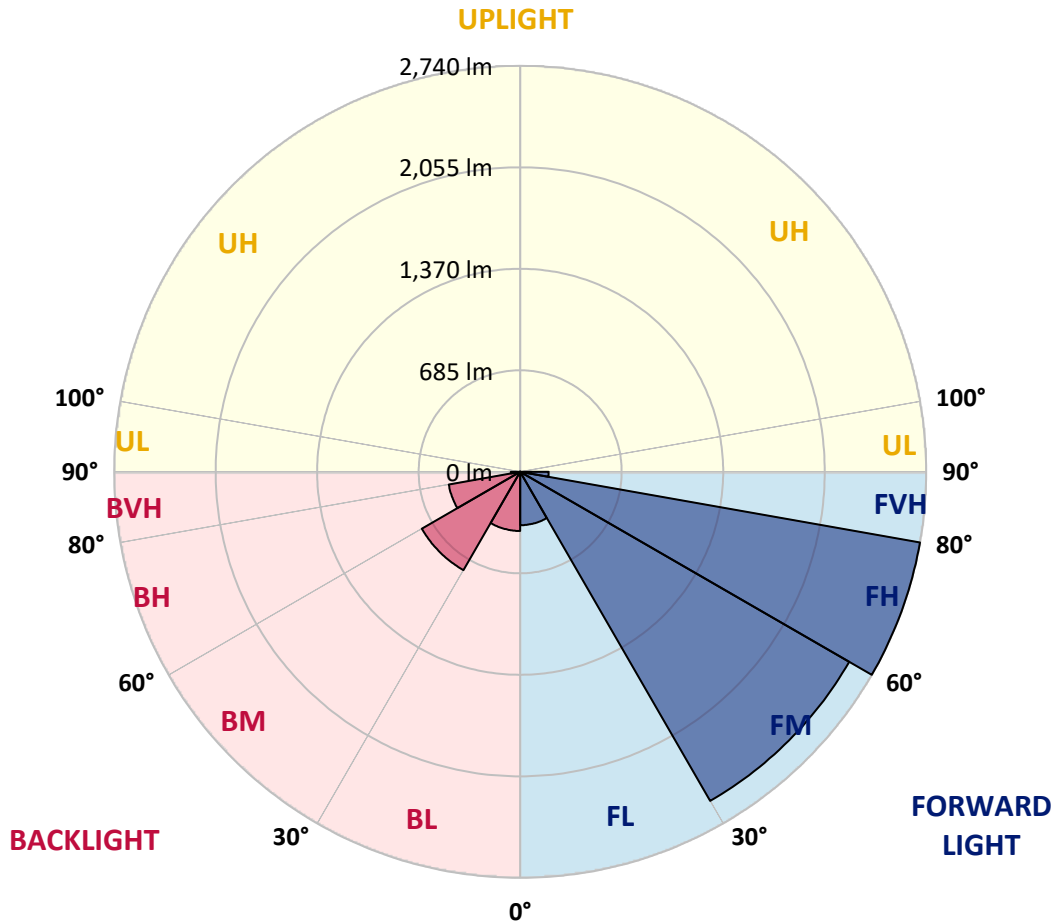


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.2	4.8			
FM (30°-60°)	2564.4	33.9			
FH (60°-80°)	2739.9	36.2			G2/5000
FVH (80°-90°)	192.6	2.5			G2/225
BL (0°-30°)	399.0	5.3	B1/500		
BM (30°-60°)	766.5	10.1	B1/1000		
BH (60°-80°)	489.6	6.5	B1/500		G1/500
BVH (80°-90°)	62.7	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	799	799	799	799	799	799	799	799	799	799	799
2.5°	769	765	766	766	770	772	773	776	778	783	790
5°	733	730	731	732	739	746	752	756	762	770	780
7.5°	707	705	706	708	714	722	732	738	747	762	779
10°	688	688	689	693	699	709	717	724	742	769	795
12.5°	673	673	676	684	694	704	723	731	755	792	823
15°	672	673	674	681	692	714	742	754	783	827	863
17.5°	688	689	685	687	700	731	768	782	819	867	904
20°	737	737	725	714	723	757	799	813	854	907	944
22.5°	837	842	814	790	776	795	833	848	894	951	988
25°	958	963	925	891	865	862	887	903	941	1000	1031
27.5°	1075	1066	1031	999	966	939	958	972	1016	1061	1080
30°	1167	1160	1126	1103	1072	1037	1026	1041	1077	1119	1129
32.5°	1269	1264	1230	1200	1174	1141	1117	1124	1144	1174	1180
35°	1399	1410	1374	1313	1284	1252	1235	1237	1252	1271	1261
37.5°	1536	1549	1551	1455	1416	1387	1369	1376	1394	1407	1376
40°	1790	1777	1725	1654	1594	1566	1541	1540	1553	1576	1520
42.5°	2127	2115	2010	1918	1823	1791	1742	1721	1727	1756	1678
45°	2450	2445	2361	2254	2140	2078	1966	1915	1910	1933	1840
47.5°	2737	2715	2654	2571	2559	2397	2191	2122	2098	2111	2007
50°	3044	2969	2885	2834	2921	2770	2418	2346	2287	2296	2188
52.5°	3207	3081	3026	3041	3158	3100	2665	2577	2482	2495	2368
55°	3067	3066	3090	3183	3346	3279	2900	2801	2697	2700	2575
57.5°	2875	2914	3038	3243	3579	3467	3131	3026	2931	2916	2810
60°	2700	2743	2923	3233	3660	3639	3351	3259	3182	3138	3057
62.5°	2434	2466	2721	3169	3592	3763	3574	3511	3453	3362	3323
65°	2121	2132	2401	2958	3507	3811	3796	3768	3712	3578	3586
67.5°	1782	1804	2040	2621	3321	3789	3968	3991	3925	3724	3754
70°	1421	1448	1627	2155	3005	3694	4127	4164	4037	3772	3785
72.5°	879	905	1025	1497	2382	3375	4176	4224	4040	3708	3583
75°	304	307	401	718	1414	2548	4016	4129	3913	3475	3118
77.5°	139	144	178	296	627	1375	3316	3599	3527	3111	2400
80°	96	98	123	177	362	484	2093	2462	2588	2409	1538
82.5°	72	74	95	120	261	235	797	1144	1422	1396	643
85°	69	68	74	80	174	140	258	354	555	475	162
87.5°	30	33	76	45	91	65	112	131	169	147	58
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°	799	799	799	799	799	799	799	799	799	799	799
2.5°	793	795	801	810	815	825	832	836	839	840	840
5°	786	790	803	818	832	853	872	883	891	894	895
7.5°	788	798	817	839	857	884	907	929	947	954	954
10°	807	821	847	876	899	927	951	970	991	1003	1005
12.5°	836	853	887	919	945	967	989	1003	1013	1022	1024
15°	877	898	932	965	988	1002	1008	1008	1007	1008	1010
17.5°	918	938	972	1005	1016	1008	1001	999	998	996	997
20°	958	977	1006	1031	1022	994	985	984	981	979	977
22.5°	998	1012	1036	1045	1009	969	958	952	948	943	938
25°	1044	1048	1066	1052	977	923	907	898	894	889	885
27.5°	1087	1087	1090	1041	930	862	838	822	821	820	819
30°	1126	1121	1111	1008	869	787	751	735	741	746	747
32.5°	1172	1162	1134	963	796	703	659	652	659	665	661
35°	1244	1226	1158	911	726	626	584	574	572	571	563
37.5°	1347	1316	1177	855	657	558	527	506	487	467	464
40°	1473	1420	1190	791	584	501	468	441	409	374	370
42.5°	1611	1532	1196	720	520	454	413	379	343	316	311
45°	1760	1653	1191	652	468	414	368	331	302	283	279
47.5°	1905	1792	1177	598	428	380	333	299	277	256	251
50°	2091	1925	1160	556	384	346	311	275	250	240	238
52.5°	2297	2058	1140	503	341	319	297	265	257	238	235
55°	2520	2216	1136	436	303	300	283	274	276	238	233
57.5°	2755	2385	1145	369	272	283	289	282	279	243	233
60°	3000	2548	1118	307	248	269	296	278	256	241	234
62.5°	3238	2685	1001	263	230	265	292	263	238	238	235
65°	3411	2746	783	231	218	260	285	253	233	240	236
67.5°	3431	2683	526	206	208	251	269	244	228	246	240
70°	3308	2519	322	187	195	235	255	235	221	241	232
72.5°	2989	2213	227	171	181	220	242	227	211	218	209
75°	2452	1715	180	156	167	206	231	215	199	196	190
77.5°	1737	1099	145	144	152	189	216	201	185	179	175
80°	999	539	125	130	138	172	198	185	170	161	155
82.5°	382	188	110	113	122	154	180	169	154	162	136
85°	124	103	90	93	102	128	159	150	133	118	109
87.5°	55	56	48	53	64	85	116	110	97	81	78
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)