

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: CORELITE

Report Number: P737787

Luminaire Tested: **14PT-30-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PR1-L930
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

Summary

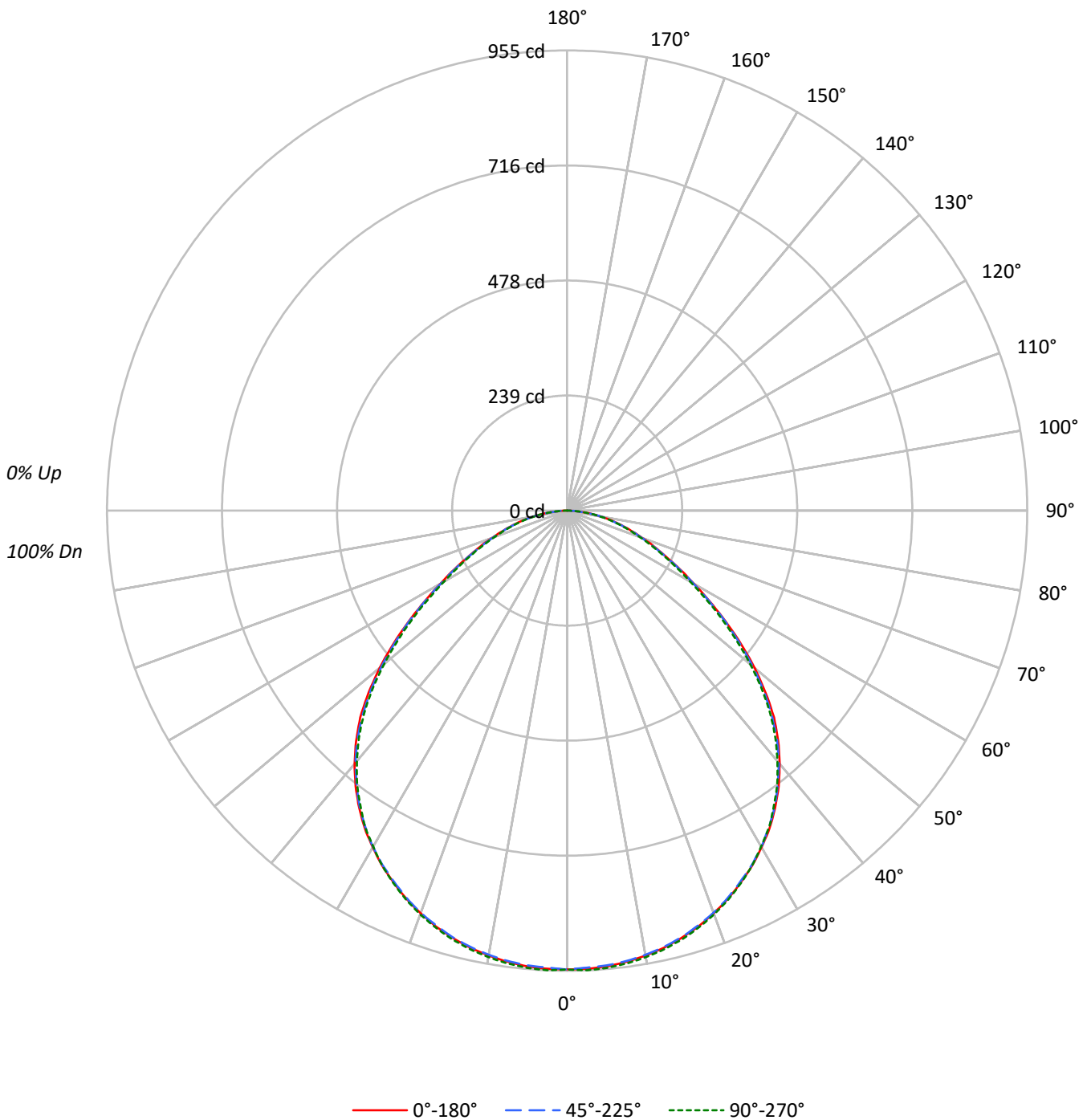
Lumens per Lamp: N/A
Luminaire Lumens: 2408.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
Input Voltage (V): NR
Input Current (A_{in}): 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

TEST NUMBER: P737787

CATALOG NUMBER: 14PT-30-PR1-L930

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2855	2855	2855
5°	2857	2851	2867
10°	2855	2850	2865
15°	2849	2845	2859
20°	2838	2834	2845
25°	2819	2812	2822
30°	2794	2791	2787
35°	2756	2749	2738
40°	2686	2675	2657
45°	2574	2545	2527
50°	2368	2341	2313
55°	2096	2087	2046
60°	1821	1815	1766
65°	1605	1595	1564
70°	1457	1436	1406
75°	1348	1316	1293
80°	1231	1214	1172
85°	973	963	929



TEST NUMBER: P737787

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	3.8
10°-20°	259.2	10.8
20°-30°	392.7	16.3
30°-40°	468.8	19.5
40°-50°	461.1	19.1
50°-60°	356.3	14.8
60°-70°	224.7	9.3
70°-80°	121.5	5.0
80°-90°	33.2	1.4
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°-30°	742.3	30.8
0°-40°	1211.1	50.3
0°-60°	2028.5	84.2
0°-90°	2408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	952	952	952	952	952	
5°	949	950	947	952	952	90
15°	918	918	917	920	921	259
25°	852	853	850	853	853	393
35°	753	753	751	750	748	470
45°	607	605	600	596	596	465
55°	401	404	399	393	391	360
65°	226	227	225	221	220	228
75°	116	115	114	114	112	124
85°	28	29	28	28	27	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.2	952.2	952.2	952.2	952.2
2.5°	951.8	952.2	949.4	953.9	954.9
5°	949.4	949.8	947.4	951.5	952.5
7.5°	944.6	945.3	942.9	947.0	948.1
10°	937.8	938.5	936.1	940.2	941.2
12.5°	929.3	929.6	927.6	931.3	932.4
15°	918.0	918.4	916.7	919.7	921.1
17.5°	905.1	905.4	903.0	906.8	907.4
20°	889.4	889.7	888.3	891.4	891.8
22.5°	872.0	872.6	870.6	873.3	873.7
25°	852.2	852.8	850.1	852.8	853.2
27.5°	831.3	831.7	829.3	831.3	831.0
30°	807.1	809.2	806.1	805.4	805.1
32.5°	781.9	782.2	779.1	778.4	779.8
35°	752.9	753.2	751.1	750.1	748.1
37.5°	721.1	721.1	717.4	716.7	716.3
40°	686.3	686.0	683.6	681.2	678.8
42.5°	648.4	649.1	644.3	640.2	639.5
45°	607.1	604.7	600.3	595.5	595.9
47.5°	558.3	559.0	552.9	549.1	548.1
50°	507.8	507.8	502.0	497.9	495.9
52.5°	454.9	455.3	449.8	444.3	443.3
55°	401.0	404.4	399.3	392.8	391.4
57.5°	350.5	353.2	348.4	341.6	341.3
60°	303.7	304.1	302.7	296.2	294.5
62.5°	263.8	262.1	261.4	258.0	256.0
65°	226.3	226.6	224.9	221.1	220.5
67.5°	195.9	195.6	192.5	190.1	188.7
70°	166.2	165.2	163.8	161.8	160.4
72.5°	139.6	139.6	138.6	137.9	135.5
75°	116.4	115.0	113.6	114.3	111.6
77.5°	94.2	92.8	91.8	90.4	89.8
80°	71.3	70.0	70.3	68.3	67.9
82.5°	49.5	49.5	48.8	47.1	47.4
85°	28.3	28.7	28.0	28.3	27.0
87.5°	10.2	10.6	11.3	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)