

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: P737935

Luminaire Tested: **14PT-70-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PB1-L830
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

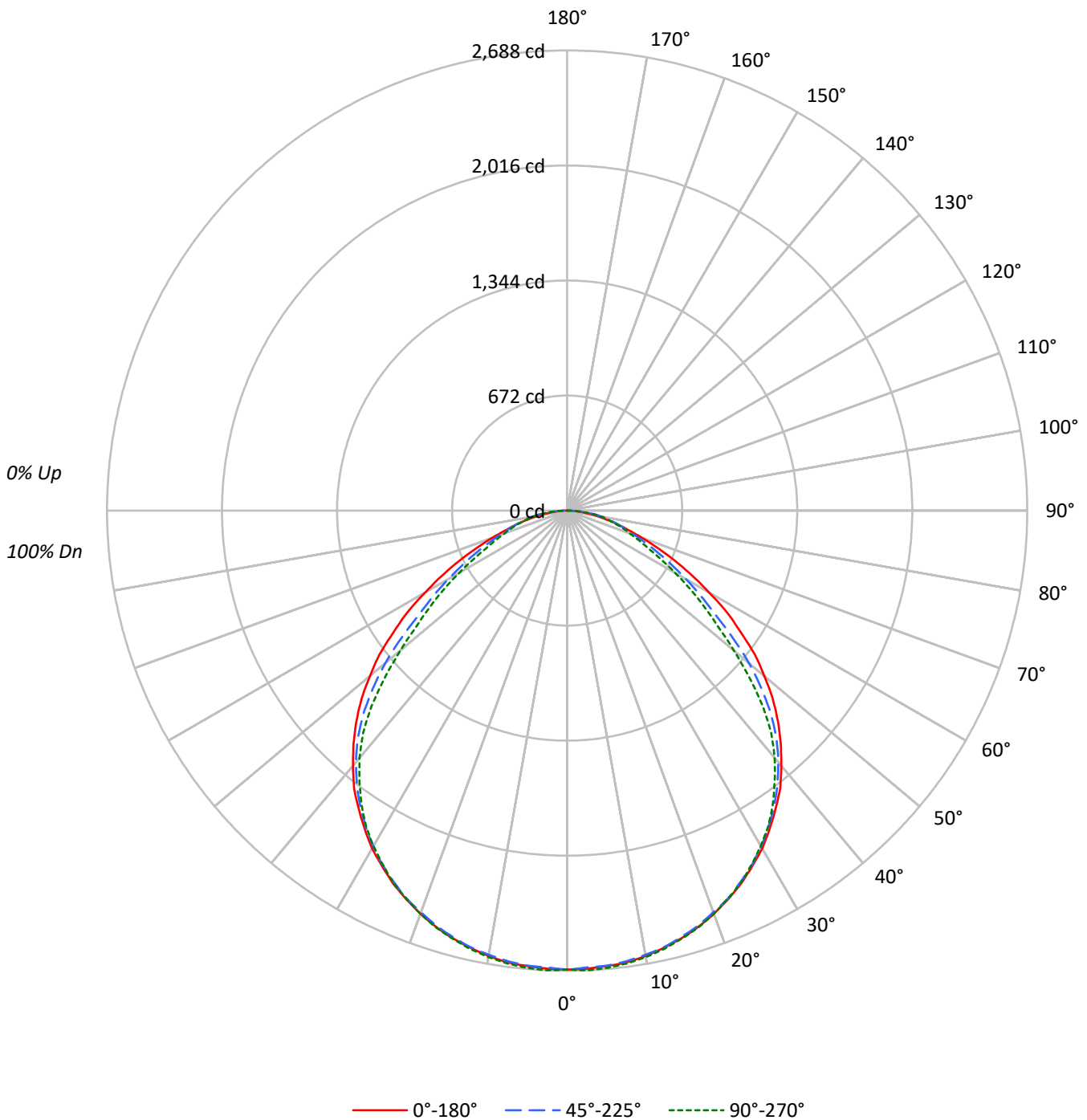
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6686.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8039	8039	8039
5°	8040	8030	8069
10°	8042	8022	8063
15°	8026	8005	8036
20°	7997	7966	7997
25°	7953	7921	7943
30°	7890	7844	7832
35°	7774	7713	7665
40°	7616	7512	7383
45°	7383	7146	6852
50°	7014	6476	5923
55°	6465	5499	5103
60°	5755	4805	4371
65°	4937	4165	3720
70°	4076	3672	3412
75°	3438	3514	3323
80°	2904	3588	3417
85°	2270	3629	3175



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	3.8
10°-20°	729.5	10.9
20°-30°	1105.1	16.5
30°-40°	1316.8	19.7
40°-50°	1287.7	19.3
50°-60°	973.9	14.6
60°-70°	598.4	8.9
70°-80°	318.8	4.8
80°-90°	101.7	1.5
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°	2088.8	31.2
0°-40°	3405.6	50.9
0°-60°	5667.1	84.8
0°-90°	6686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2681	2681	2681	2681	2681	
5°	2672	2675	2668	2678	2681	254
15°	2586	2589	2579	2589	2589	730
25°	2404	2401	2394	2398	2401	1107
35°	2124	2121	2108	2098	2094	1328
45°	1741	1732	1685	1629	1616	1340
55°	1237	1174	1052	993	976	1108
65°	696	640	587	541	524	693
75°	297	300	303	294	287	318
85°	66	86	106	99	92	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2681.3	2681.3	2681.3	2681.3	2681.3
2.5°	2678.1	2681.3	2671.5	2684.6	2687.9
5°	2671.5	2674.8	2668.2	2678.1	2681.3
7.5°	2661.6	2661.6	2655.0	2664.9	2668.2
10°	2641.8	2641.8	2635.2	2645.1	2648.4
12.5°	2615.4	2615.4	2612.1	2618.7	2622.0
15°	2585.7	2589.0	2579.1	2589.0	2589.0
17.5°	2549.4	2546.1	2542.8	2549.4	2552.7
20°	2506.5	2506.5	2496.7	2503.3	2506.5
22.5°	2457.1	2457.1	2453.8	2457.1	2453.8
25°	2404.3	2401.0	2394.4	2397.7	2401.0
27.5°	2341.6	2341.6	2335.0	2335.0	2331.8
30°	2279.0	2275.7	2265.8	2259.2	2262.5
32.5°	2203.1	2199.8	2189.9	2183.3	2186.6
35°	2124.0	2120.7	2107.5	2097.6	2094.3
37.5°	2044.8	2034.9	2018.4	2005.2	1992.0
40°	1945.9	1936.0	1919.5	1889.8	1886.5
42.5°	1846.9	1837.0	1810.7	1774.4	1764.5
45°	1741.4	1731.5	1685.3	1629.3	1616.1
47.5°	1629.3	1612.8	1540.2	1470.9	1444.6
50°	1503.9	1474.2	1388.5	1299.4	1269.8
52.5°	1381.9	1329.1	1217.0	1137.8	1108.2
55°	1236.8	1174.1	1052.1	992.7	976.2
57.5°	1108.2	1022.4	923.5	864.1	850.9
60°	959.7	880.6	801.4	748.7	728.9
62.5°	824.5	755.3	689.3	643.1	620.0
65°	695.9	639.8	587.1	540.9	524.4
67.5°	570.6	540.9	498.0	461.7	451.8
70°	465.0	448.5	418.9	402.4	389.2
72.5°	369.4	376.0	356.2	349.6	339.7
75°	296.8	300.1	303.4	293.5	286.9
77.5°	224.3	240.8	254.0	247.4	240.8
80°	168.2	184.7	207.8	197.9	197.9
82.5°	115.4	135.2	155.0	148.4	145.1
85°	66.0	85.8	105.5	98.9	92.3
87.5°	26.4	42.9	46.2	46.2	42.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)