

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: P737978

Luminaire Tested: **14PT-70-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PW1-L850
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

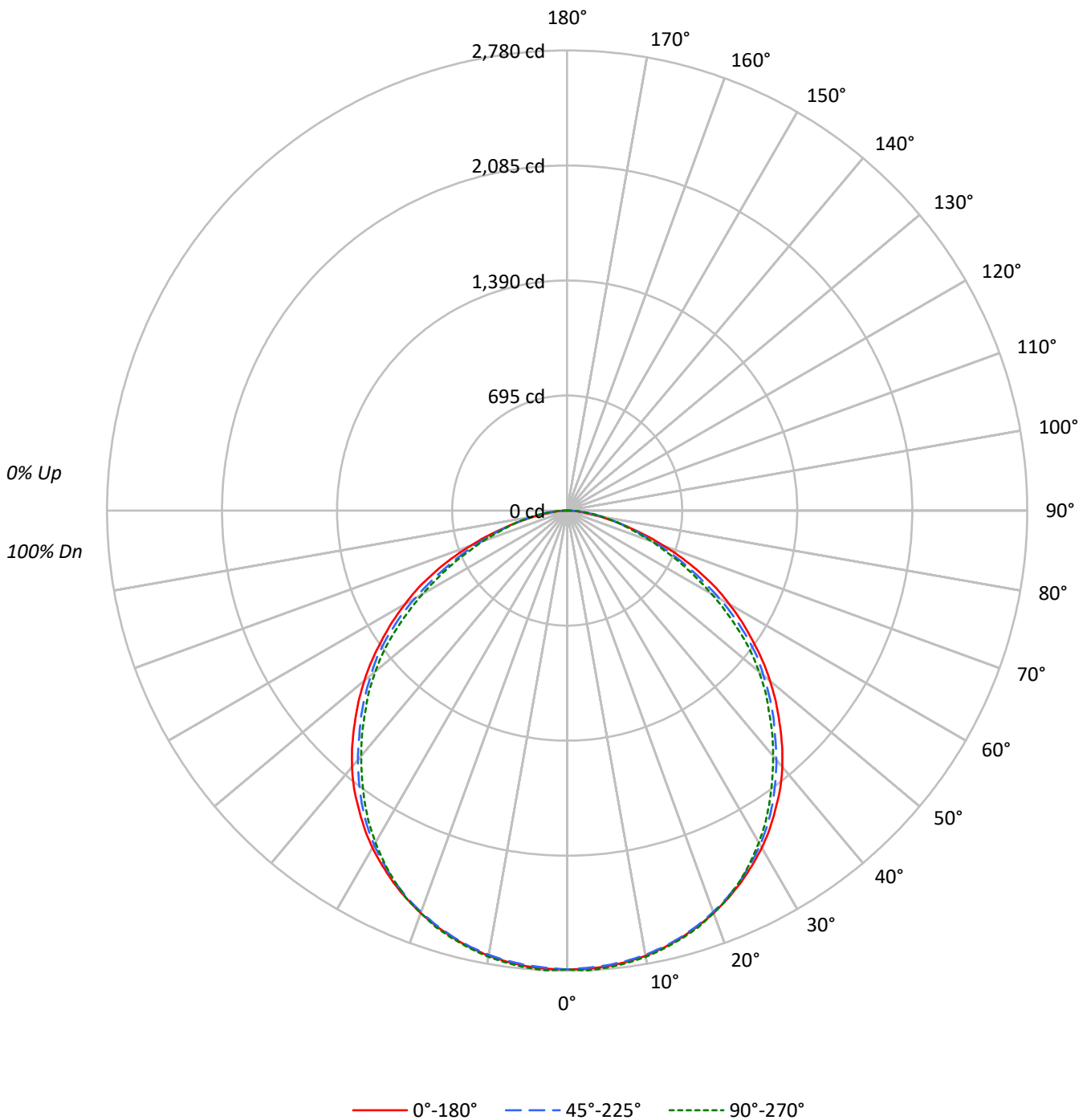
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7356.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8311	8311	8311
5°	8318	8299	8342
10°	8314	8295	8336
15°	8288	8275	8307
20°	8254	8234	8254
25°	8208	8174	8167
30°	8145	8074	8018
35°	8037	7916	7815
40°	7914	7697	7577
45°	7695	7468	7316
50°	7463	7219	7051
55°	7151	6909	6635
60°	6780	6380	6048
65°	6273	5697	5413
70°	5437	4961	4771
75°	4343	4248	4128
80°	3298	3688	3688
85°	2439	3144	3144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.9	3.6
10°-20°	754.0	10.2
20°-30°	1139.5	15.5
30°-40°	1353.0	18.4
40°-50°	1363.2	18.5
50°-60°	1178.3	16.0
60°-70°	805.3	10.9
70°-80°	397.1	5.4
80°-90°	102.7	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°	2156.3	29.3
0°-40°	3509.4	47.7
0°-60°	6050.9	82.3
0°-90°	7356.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7356.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2772	2772	2772	2772	2772	
5°	2764	2765	2758	2769	2772	263
15°	2670	2673	2666	2675	2676	754
25°	2481	2479	2471	2473	2469	1143
35°	2196	2189	2163	2143	2135	1375
45°	1815	1795	1761	1741	1725	1401
55°	1368	1364	1322	1283	1269	1223
65°	884	852	803	768	763	873
75°	375	372	367	367	356	408
85°	71	83	91	94	91	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2772.0	2772.0	2772.0	2772.0	2772.0
2.5°	2770.9	2772.0	2764.8	2777.1	2780.2
5°	2763.8	2764.8	2757.6	2768.9	2772.0
7.5°	2750.4	2752.5	2744.2	2755.5	2757.6
10°	2730.9	2731.9	2724.7	2736.0	2738.1
12.5°	2704.2	2705.2	2699.1	2709.3	2709.3
15°	2670.3	2673.4	2666.2	2675.4	2676.5
17.5°	2632.3	2633.3	2626.1	2636.4	2638.5
20°	2587.1	2587.1	2580.9	2589.2	2587.1
22.5°	2536.8	2536.8	2529.6	2533.7	2535.8
25°	2481.3	2479.3	2471.1	2473.1	2469.0
27.5°	2417.6	2417.6	2403.3	2403.3	2396.1
30°	2352.9	2347.8	2332.4	2323.2	2316.0
32.5°	2279.0	2271.8	2252.3	2235.9	2230.7
35°	2195.8	2188.6	2162.9	2143.4	2135.2
37.5°	2115.7	2099.3	2065.4	2045.9	2036.6
40°	2022.2	2001.7	1966.8	1940.1	1936.0
42.5°	1921.6	1905.2	1860.0	1840.5	1835.3
45°	1814.8	1795.3	1761.4	1740.8	1725.4
47.5°	1710.0	1695.6	1656.6	1632.0	1626.8
50°	1600.1	1587.8	1547.7	1521.0	1511.8
52.5°	1486.1	1477.9	1444.0	1410.1	1398.8
55°	1368.0	1363.9	1321.8	1282.8	1269.4
57.5°	1252.0	1246.8	1194.4	1149.3	1136.9
60°	1130.8	1115.4	1064.0	1021.9	1008.6
62.5°	1015.7	982.9	927.4	894.6	879.1
65°	884.3	852.4	803.1	768.2	763.1
67.5°	754.9	716.9	678.9	657.3	640.9
70°	620.3	594.7	565.9	547.4	544.3
72.5°	495.0	476.5	462.2	450.9	441.6
75°	374.9	371.8	366.7	366.7	356.4
77.5°	275.2	282.4	286.5	285.5	287.6
80°	191.0	205.4	213.6	214.7	213.6
82.5°	121.2	137.6	151.0	153.0	155.1
85°	70.9	83.2	91.4	93.5	91.4
87.5°	31.8	40.1	42.1	44.2	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)