

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: P737953

Luminaire Tested: **14PT-70-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PL1-L840
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

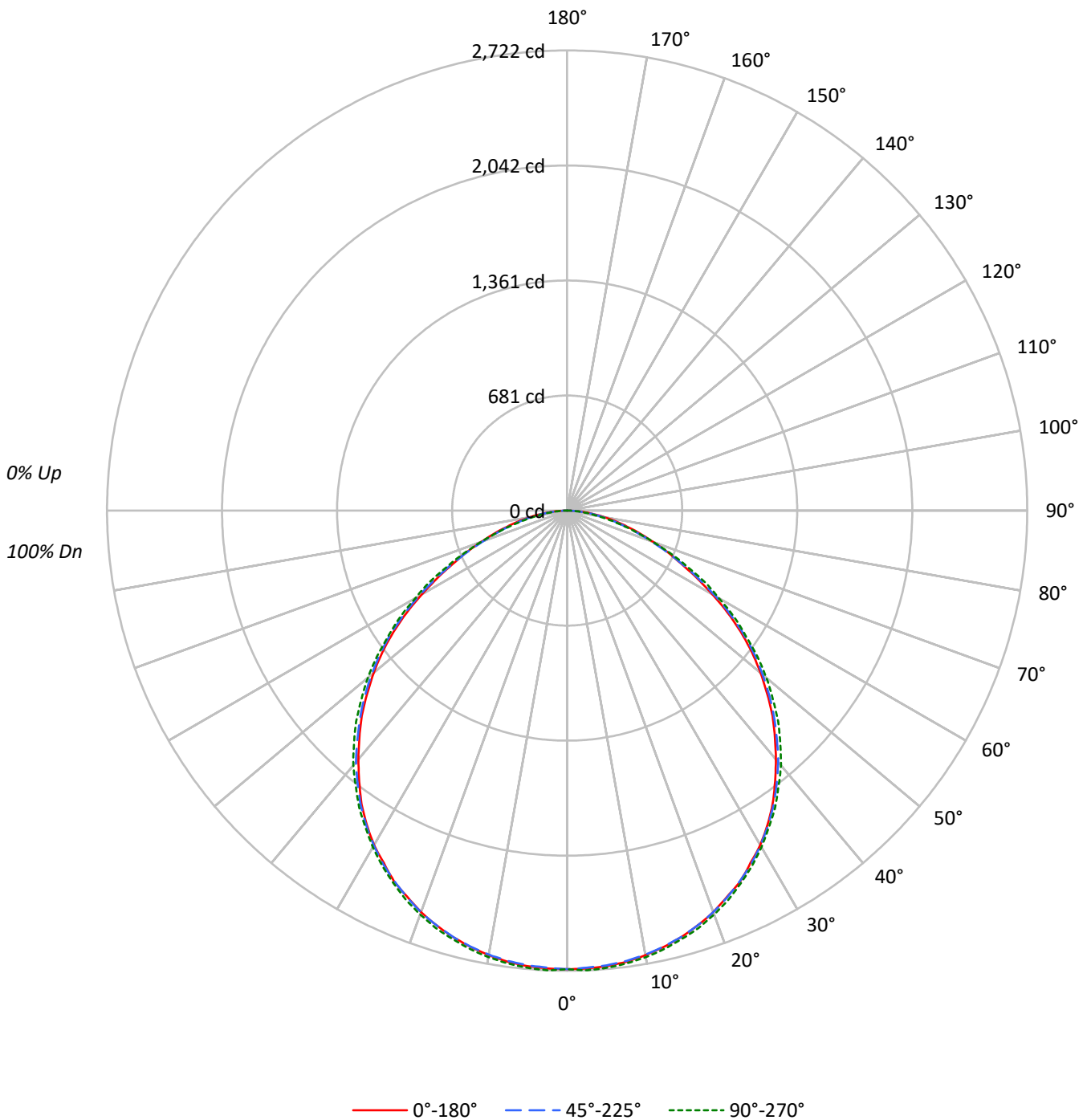
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7151.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8133	8133	8133
5°	8140	8125	8170
10°	8130	8121	8167
15°	8105	8102	8142
20°	8065	8065	8110
25°	8010	8000	8043
30°	7909	7919	7958
35°	7758	7788	7850
40°	7517	7604	7702
45°	7283	7343	7483
50°	6962	7037	7177
55°	6557	6662	6740
60°	5948	6075	6226
65°	5284	5340	5555
70°	4722	4626	4740
75°	4262	4017	3935
80°	3869	3593	3192
85°	3285	2972	2559



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.3	3.6
10°-20°	738.1	10.3
20°-30°	1116.4	15.6
30°-40°	1330.7	18.6
40°-50°	1338.1	18.7
50°-60°	1135.6	15.9
60°-70°	756.1	10.6
70°-80°	377.6	5.3
80°-90°	101.0	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°	2111.8	29.5
0°-40°	3442.5	48.1
0°-60°	5916.3	82.7
0°-90°	7151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2713	2713	2713	2713	2713	
5°	2705	2706	2700	2712	2715	257
15°	2611	2614	2610	2621	2623	737
25°	2421	2421	2418	2429	2431	1113
35°	2120	2122	2128	2143	2145	1322
45°	1718	1721	1732	1755	1765	1321
55°	1254	1263	1274	1286	1290	1118
65°	745	751	753	764	783	747
75°	368	363	347	339	340	395
85°	96	94	86	81	74	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2712.8	2712.8	2712.8	2712.8	2712.8
2.5°	2710.7	2712.8	2705.7	2718.8	2721.8
5°	2704.7	2705.7	2699.7	2711.8	2714.8
7.5°	2691.6	2692.7	2686.6	2699.7	2701.7
10°	2670.5	2672.6	2667.5	2679.6	2682.6
12.5°	2643.4	2646.4	2641.4	2654.5	2656.5
15°	2611.2	2614.3	2610.2	2621.3	2623.3
17.5°	2572.0	2574.1	2572.0	2582.1	2588.1
20°	2527.8	2527.8	2527.8	2536.9	2541.9
22.5°	2472.5	2477.6	2475.6	2487.6	2492.6
25°	2421.3	2421.3	2418.3	2429.3	2431.3
27.5°	2349.9	2358.0	2357.0	2367.0	2369.0
30°	2284.6	2286.6	2287.6	2294.6	2298.7
32.5°	2205.2	2207.2	2210.2	2220.3	2221.3
35°	2119.7	2121.8	2127.8	2142.9	2144.9
37.5°	2020.2	2031.3	2036.3	2052.4	2054.4
40°	1920.7	1927.8	1942.9	1959.9	1968.0
42.5°	1819.2	1827.3	1836.3	1859.4	1866.5
45°	1717.7	1720.7	1731.8	1754.9	1765.0
47.5°	1605.1	1614.2	1624.2	1644.3	1650.4
50°	1492.6	1502.6	1508.7	1526.7	1538.8
52.5°	1379.0	1388.0	1395.1	1406.1	1418.2
55°	1254.4	1263.4	1274.5	1286.5	1289.5
57.5°	1127.7	1137.8	1144.8	1157.9	1170.9
60°	992.0	1003.1	1013.1	1025.2	1038.3
62.5°	865.4	870.4	880.5	900.6	919.7
65°	744.8	750.8	752.8	763.9	783.0
67.5°	644.3	644.3	635.2	639.2	660.3
70°	538.7	534.7	527.7	523.7	540.7
72.5°	453.3	448.3	433.2	426.2	435.2
75°	367.9	362.8	346.8	338.7	339.7
77.5°	295.5	287.5	274.4	260.3	257.3
80°	224.1	221.1	208.1	195.0	184.9
82.5°	158.8	151.8	144.7	136.7	128.7
85°	95.5	93.5	86.4	81.4	74.4
87.5°	39.2	39.2	37.2	35.2	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)