

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: P737961

Luminaire Tested: **14PT-70-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PP3-L840
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

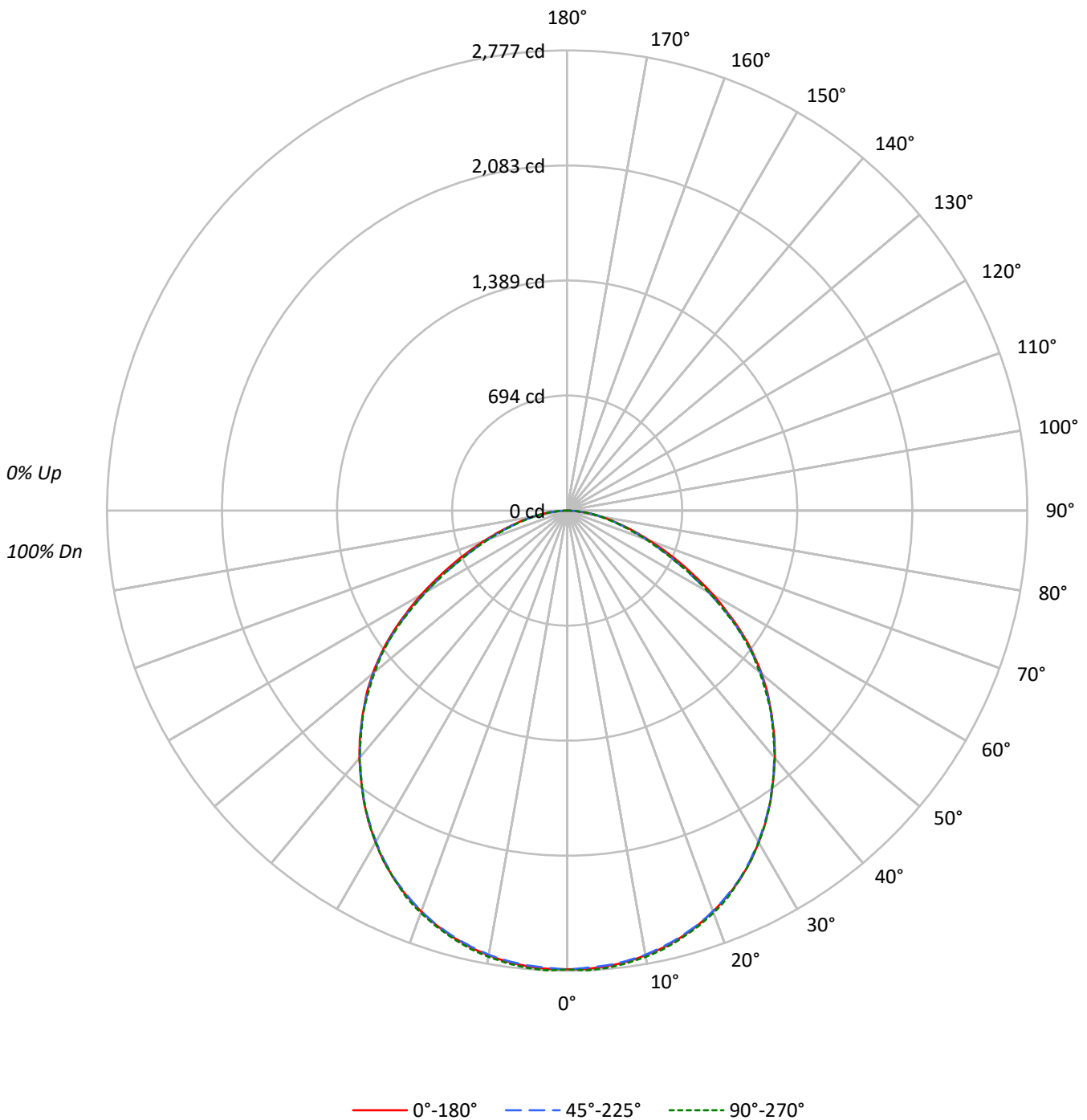
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7154.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8301	8301	8301
5°	8308	8290	8336
10°	8297	8285	8325
15°	8269	8254	8291
20°	8215	8208	8244
25°	8142	8128	8138
30°	8006	7988	8006
35°	7831	7820	7827
40°	7631	7607	7627
45°	7402	7380	7389
50°	7153	7120	7069
55°	6734	6656	6635
60°	6111	5906	5918
65°	5369	5098	5091
70°	4642	4431	4379
75°	4016	3865	3783
80°	3557	3505	3349
85°	2938	3041	2869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	3.7
10°-20°	752.3	10.5
20°-30°	1132.5	15.8
30°-40°	1336.7	18.7
40°-50°	1344.3	18.8
50°-60°	1134.9	15.9
60°-70°	728.9	10.2
70°-80°	362.5	5.1
80°-90°	99.3	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°	2147.4	30.0
0°-40°	3484.1	48.7
0°-60°	5963.3	83.4
0°-90°	7154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2769	2769	2769	2769	2769	
5°	2761	2762	2755	2768	2770	262
15°	2664	2665	2659	2671	2671	752
25°	2461	2462	2457	2462	2460	1132
35°	2140	2141	2137	2139	2139	1337
45°	1746	1752	1741	1743	1743	1347
55°	1288	1287	1273	1268	1269	1146
65°	757	746	719	712	718	754
75°	347	345	334	331	327	375
85°	85	88	88	83	83	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2768.7	2768.7	2768.7	2768.7	2768.7
2.5°	2767.7	2768.7	2761.7	2774.8	2776.8
5°	2760.7	2761.7	2754.7	2767.7	2769.8
7.5°	2746.6	2747.6	2741.6	2753.7	2755.7
10°	2725.5	2728.5	2721.5	2732.6	2734.6
12.5°	2699.4	2700.4	2693.4	2706.4	2708.4
15°	2664.2	2665.2	2659.2	2671.3	2671.3
17.5°	2624.0	2625.0	2621.0	2631.1	2630.1
20°	2574.8	2577.8	2572.8	2579.8	2583.8
22.5°	2521.5	2522.5	2516.5	2525.5	2529.6
25°	2461.2	2462.2	2457.2	2462.2	2460.2
27.5°	2390.9	2392.9	2385.8	2390.9	2391.9
30°	2312.5	2317.5	2307.5	2311.5	2312.5
32.5°	2228.1	2231.1	2224.0	2225.0	2230.1
35°	2139.6	2140.6	2136.6	2138.6	2138.6
37.5°	2044.2	2048.2	2042.1	2045.2	2041.1
40°	1949.7	1945.7	1943.7	1945.7	1948.7
42.5°	1850.2	1851.2	1848.2	1846.2	1841.1
45°	1745.7	1751.7	1740.6	1742.7	1742.7
47.5°	1643.2	1644.2	1638.1	1632.1	1628.1
50°	1533.6	1533.6	1526.6	1521.6	1515.5
52.5°	1414.0	1412.0	1404.0	1398.9	1402.0
55°	1288.4	1287.4	1273.3	1268.3	1269.3
57.5°	1150.7	1152.7	1131.6	1126.6	1126.6
60°	1019.1	1009.0	984.9	977.9	986.9
62.5°	881.4	869.3	843.2	843.2	850.2
65°	756.8	745.7	718.6	711.5	717.6
67.5°	640.2	630.1	605.0	601.0	603.0
70°	529.6	520.6	505.5	496.5	499.5
72.5°	434.2	426.1	416.1	409.0	405.0
75°	346.7	344.7	333.7	330.6	326.6
77.5°	274.4	273.4	264.3	260.3	256.3
80°	206.0	205.0	203.0	197.0	194.0
82.5°	146.7	146.7	145.7	140.7	137.7
85°	85.4	88.4	88.4	83.4	83.4
87.5°	34.2	36.2	34.2	34.2	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)