

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: P737998

Luminaire Tested: **14PT-80-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PC3-L950
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

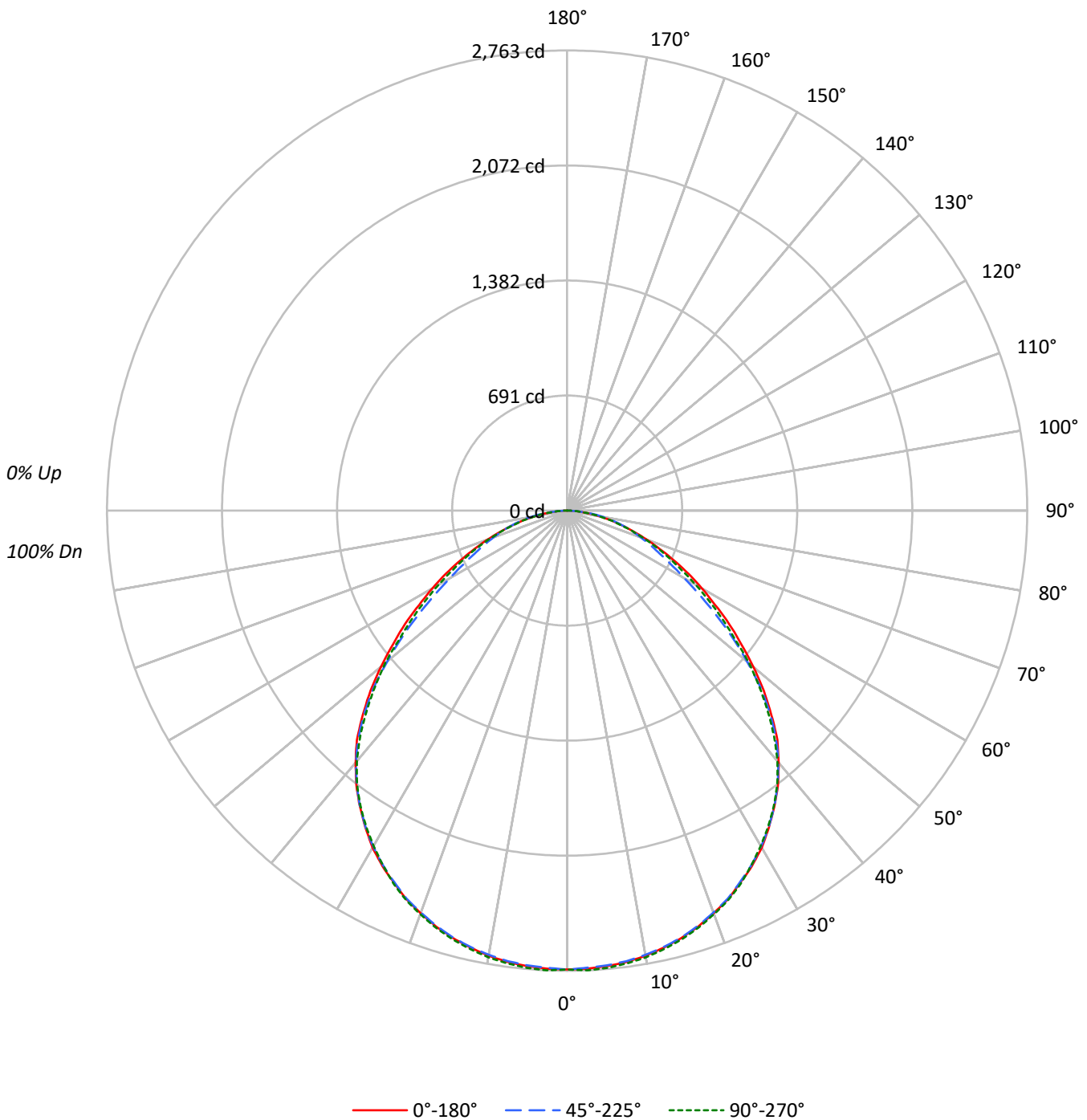
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6946.0 lumens
Efficiency: N/A
Efficacy: 97.8 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): 71
Input Voltage (V): NR
Input Current (Ain): 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	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8261	8261	8261
5°	8262	8248	8295
10°	8262	8247	8292
15°	8243	8234	8270
20°	8206	8193	8228
25°	8150	8136	8169
30°	8089	8061	8047
35°	7942	7935	7920
40°	7733	7721	7687
45°	7354	7299	7224
50°	6807	6577	6651
55°	6212	5707	5965
60°	5602	4869	5341
65°	5006	4355	4803
70°	4440	4121	4319
75°	3927	3995	3847
80°	3386	3810	3368
85°	2542	3017	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.3	3.8
10°-20°	750.1	10.8
20°-30°	1135.6	16.3
30°-40°	1353.9	19.5
40°-50°	1323.0	19.0
50°-60°	1011.6	14.6
60°-70°	649.5	9.3
70°-80°	361.3	5.2
80°-90°	99.8	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°	2147.0	30.9
0°-40°	3500.9	50.4
0°-60°	5835.5	84.0
0°-90°	6946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2755	2755	2755	2755	2755	
5°	2745	2747	2740	2753	2756	261
15°	2656	2658	2653	2662	2665	749
25°	2464	2466	2460	2468	2470	1136
35°	2170	2172	2168	2167	2164	1356
45°	1734	1738	1722	1718	1704	1335
55°	1188	1147	1092	1106	1141	1062
65°	706	651	614	635	677	704
75°	339	342	345	340	332	362
85°	74	87	88	85	74	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2755.3	2755.3	2755.3	2755.3	2755.3
2.5°	2753.3	2754.3	2747.4	2759.2	2763.2
5°	2745.4	2747.4	2740.5	2753.3	2756.3
7.5°	2733.6	2735.6	2728.7	2741.5	2742.5
10°	2713.9	2714.9	2709.0	2721.8	2723.7
12.5°	2687.3	2690.2	2683.3	2695.2	2696.2
15°	2655.8	2657.7	2652.8	2661.7	2664.6
17.5°	2618.3	2619.3	2614.4	2624.2	2625.2
20°	2572.0	2572.0	2568.0	2578.9	2578.9
22.5°	2524.7	2521.7	2520.7	2524.7	2530.6
25°	2463.6	2466.5	2459.6	2467.5	2469.5
27.5°	2404.5	2404.5	2398.6	2402.5	2397.6
30°	2336.5	2332.5	2328.6	2329.6	2324.6
32.5°	2254.7	2254.7	2252.7	2252.7	2246.8
35°	2169.9	2171.9	2168.0	2167.0	2164.0
37.5°	2079.3	2082.2	2075.3	2073.4	2071.4
40°	1975.8	1975.8	1972.8	1968.9	1964.0
42.5°	1868.4	1868.4	1855.6	1845.7	1838.8
45°	1734.4	1738.3	1721.6	1717.6	1703.8
47.5°	1601.3	1598.4	1575.7	1572.8	1564.9
50°	1459.4	1442.7	1410.2	1419.0	1425.9
52.5°	1317.5	1296.8	1249.5	1259.4	1271.2
55°	1188.4	1147.0	1091.9	1105.7	1141.1
57.5°	1053.4	998.2	943.1	968.7	1013.0
60°	934.2	872.1	812.0	839.6	890.8
62.5°	819.9	753.9	705.6	732.2	775.5
65°	705.6	651.4	613.9	634.6	677.0
67.5°	601.1	564.7	539.0	548.9	583.4
70°	506.5	483.8	470.1	473.0	492.7
72.5°	416.8	410.9	406.0	406.0	408.0
75°	339.0	341.9	344.9	340.0	332.1
77.5°	267.1	276.9	283.8	274.0	264.1
80°	196.1	211.9	220.7	209.9	195.1
82.5°	134.0	151.8	154.7	147.8	131.1
85°	73.9	86.7	87.7	84.7	73.9
87.5°	27.6	32.5	35.5	32.5	28.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)