

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: P737999

Luminaire Tested: **14PT-80-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737999
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-80-PL1-L830
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

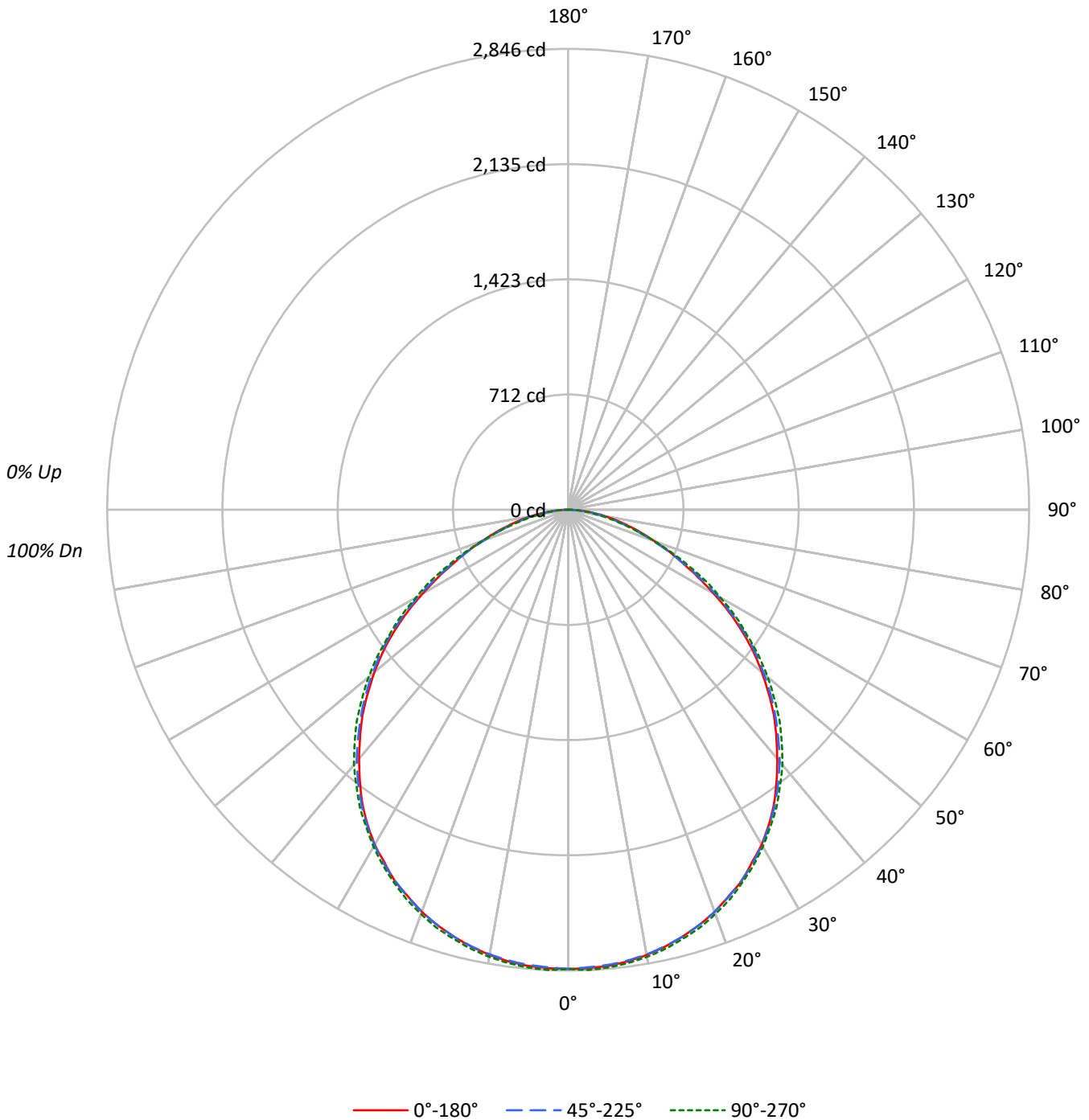
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7476.0 lumens
Efficiency: N/A
Efficacy: 105.3 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): 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	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°	8503	8503	8503
5°	8510	8494	8541
10°	8499	8490	8538
15°	8473	8470	8512
20°	8431	8431	8478
25°	8374	8363	8408
30°	8268	8279	8319
35°	8111	8142	8207
40°	7859	7950	8052
45°	7614	7676	7823
50°	7278	7356	7503
55°	6855	6964	7046
60°	6219	6351	6509
65°	5523	5583	5807
70°	4937	4836	4955
75°	4455	4199	4115
80°	4045	3755	3337
85°	3433	3110	2676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	3.6
10°-20°	771.6	10.3
20°-30°	1167.1	15.6
30°-40°	1391.2	18.6
40°-50°	1399.0	18.7
50°-60°	1187.2	15.9
60°-70°	790.5	10.6
70°-80°	394.8	5.3
80°-90°	105.6	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°	2207.8	29.5
0°-40°	3599.0	48.1
0°-60°	6185.2	82.7
0°-90°	7476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7476.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2836	2836	2836	2836	2836	
5°	2828	2829	2822	2835	2838	269
15°	2730	2733	2729	2740	2742	770
25°	2531	2531	2528	2540	2542	1164
35°	2216	2218	2224	2240	2242	1382
45°	1796	1799	1810	1835	1845	1382
55°	1311	1321	1332	1345	1348	1169
65°	779	785	787	799	819	780
75°	385	379	362	354	355	413
85°	100	98	90	85	78	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2836.0	2836.0	2836.0	2836.0	2836.0
2.5°	2833.9	2836.0	2828.7	2842.4	2845.5
5°	2827.6	2828.7	2822.4	2835.0	2838.1
7.5°	2814.0	2815.0	2808.7	2822.4	2824.5
10°	2791.9	2794.0	2788.8	2801.4	2804.5
12.5°	2763.5	2766.7	2761.4	2775.1	2777.2
15°	2729.9	2733.1	2728.9	2740.4	2742.5
17.5°	2688.9	2691.0	2688.9	2699.4	2705.7
20°	2642.7	2642.7	2642.7	2652.2	2657.4
22.5°	2584.9	2590.2	2588.1	2600.7	2605.9
25°	2531.3	2531.3	2528.2	2539.7	2541.8
27.5°	2456.7	2465.1	2464.1	2474.6	2476.7
30°	2388.4	2390.5	2391.6	2398.9	2403.1
32.5°	2305.4	2307.5	2310.7	2321.2	2322.2
35°	2216.1	2218.2	2224.5	2240.3	2242.4
37.5°	2112.1	2123.6	2128.9	2145.7	2147.8
40°	2008.0	2015.4	2031.2	2049.0	2057.4
42.5°	1901.9	1910.3	1919.8	1943.9	1951.3
45°	1795.8	1798.9	1810.5	1834.7	1845.2
47.5°	1678.1	1687.5	1698.1	1719.1	1725.4
50°	1560.4	1570.9	1577.2	1596.1	1608.7
52.5°	1441.7	1451.1	1458.5	1470.0	1482.6
55°	1311.4	1320.8	1332.4	1345.0	1348.1
57.5°	1179.0	1189.5	1196.8	1210.5	1224.2
60°	1037.1	1048.7	1059.2	1071.8	1085.5
62.5°	904.7	910.0	920.5	941.5	961.5
65°	778.6	784.9	787.0	798.6	818.6
67.5°	673.5	673.5	664.1	668.3	690.4
70°	563.2	559.0	551.7	547.5	565.3
72.5°	473.9	468.6	452.9	445.5	455.0
75°	384.6	379.3	362.5	354.1	355.2
77.5°	308.9	300.5	286.9	272.2	269.0
80°	234.3	231.2	217.5	203.9	193.3
82.5°	166.0	158.7	151.3	142.9	134.5
85°	99.8	97.7	90.4	85.1	77.8
87.5°	41.0	41.0	38.9	36.8	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)