

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: P738001

Luminaire Tested: **14PT-80-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738001
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-L840
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

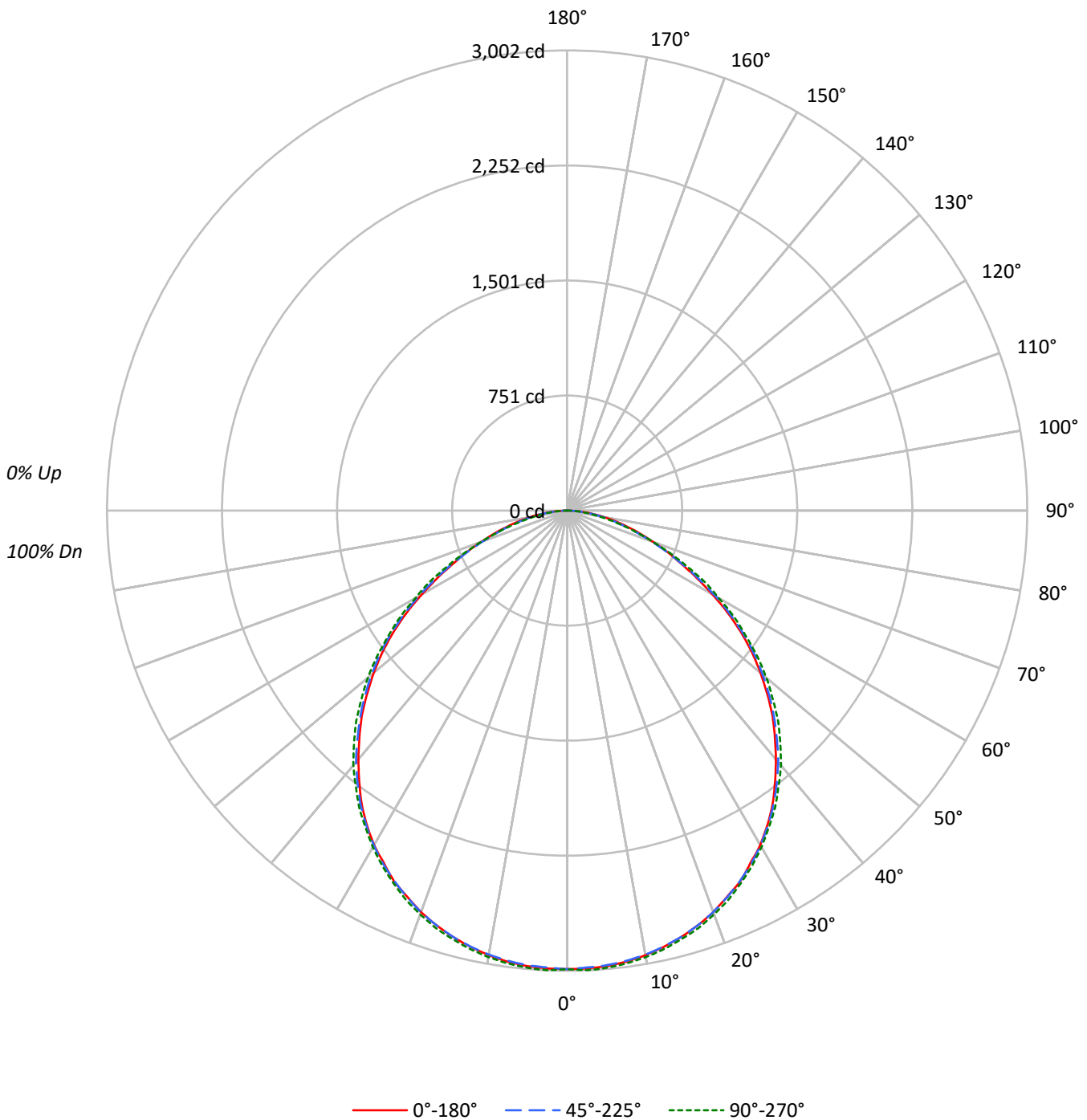
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7886.0 lumens
Efficiency: N/A
Efficacy: 111.1 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): 71
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°	8969	8969	8969
5°	8977	8960	9010
10°	8966	8955	9006
15°	8938	8934	8979
20°	8894	8894	8944
25°	8833	8822	8869
30°	8722	8733	8776
35°	8556	8588	8657
40°	8290	8385	8494
45°	8032	8097	8253
50°	7677	7760	7915
55°	7230	7347	7433
60°	6560	6699	6866
65°	5826	5889	6125
70°	5208	5101	5227
75°	4699	4430	4339
80°	4268	3961	3520
85°	3622	3278	2821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	3.6
10°-20°	813.9	10.3
20°-30°	1231.1	15.6
30°-40°	1467.5	18.6
40°-50°	1475.7	18.7
50°-60°	1252.4	15.9
60°-70°	833.9	10.6
70°-80°	416.4	5.3
80°-90°	111.4	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°	2328.8	29.5
0°-40°	3796.3	48.1
0°-60°	6524.4	82.7
0°-90°	7886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7886.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2992	2992	2992	2992	2992	
5°	2983	2984	2977	2990	2994	284
15°	2880	2883	2878	2891	2893	813
25°	2670	2670	2667	2679	2681	1228
35°	2338	2340	2346	2363	2365	1458
45°	1894	1898	1910	1935	1946	1457
55°	1383	1393	1406	1419	1422	1233
65°	821	828	830	842	863	823
75°	406	400	382	374	375	436
85°	105	103	95	90	82	122
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2991.6	2991.6	2991.6	2991.6	2991.6
2.5°	2989.4	2991.6	2983.8	2998.2	3001.6
5°	2982.7	2983.8	2977.2	2990.5	2993.8
7.5°	2968.3	2969.4	2962.8	2977.2	2979.4
10°	2945.0	2947.2	2941.7	2955.0	2958.3
12.5°	2915.1	2918.4	2912.9	2927.3	2929.5
15°	2879.6	2883.0	2878.5	2890.7	2892.9
17.5°	2836.4	2838.6	2836.4	2847.5	2854.1
20°	2787.6	2787.6	2787.6	2797.6	2803.2
22.5°	2726.7	2732.2	2730.0	2743.3	2748.8
25°	2670.1	2670.1	2666.8	2679.0	2681.2
27.5°	2591.4	2600.3	2599.2	2610.3	2612.5
30°	2519.4	2521.6	2522.7	2530.5	2534.9
32.5°	2431.8	2434.1	2437.4	2448.5	2449.6
35°	2337.6	2339.8	2346.5	2363.1	2365.3
37.5°	2227.9	2240.1	2245.6	2263.4	2265.6
40°	2118.2	2125.9	2142.5	2161.4	2170.3
42.5°	2006.2	2015.1	2025.1	2050.5	2058.3
45°	1894.3	1897.6	1909.8	1935.3	1946.4
47.5°	1770.1	1780.1	1791.2	1813.3	1820.0
50°	1646.0	1657.1	1663.7	1683.7	1697.0
52.5°	1520.7	1530.7	1538.5	1550.7	1564.0
55°	1383.3	1393.3	1405.5	1418.8	1422.1
57.5°	1243.6	1254.7	1262.5	1276.9	1291.3
60°	1094.0	1106.2	1117.3	1130.6	1145.0
62.5°	954.3	959.9	971.0	993.1	1014.2
65°	821.3	828.0	830.2	842.4	863.4
67.5°	710.5	710.5	700.5	704.9	728.2
70°	594.1	589.7	581.9	577.5	596.3
72.5°	499.9	494.3	477.7	470.0	479.9
75°	405.7	400.1	382.4	373.5	374.6
77.5°	325.9	317.0	302.6	287.1	283.8
80°	247.2	243.8	229.4	215.0	203.9
82.5°	175.1	167.4	159.6	150.7	141.9
85°	105.3	103.1	95.3	89.8	82.0
87.5°	43.2	43.2	41.0	38.8	36.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)