

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: P738010

Luminaire Tested: **14PT-80-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738010
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-80-PP3-L850
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

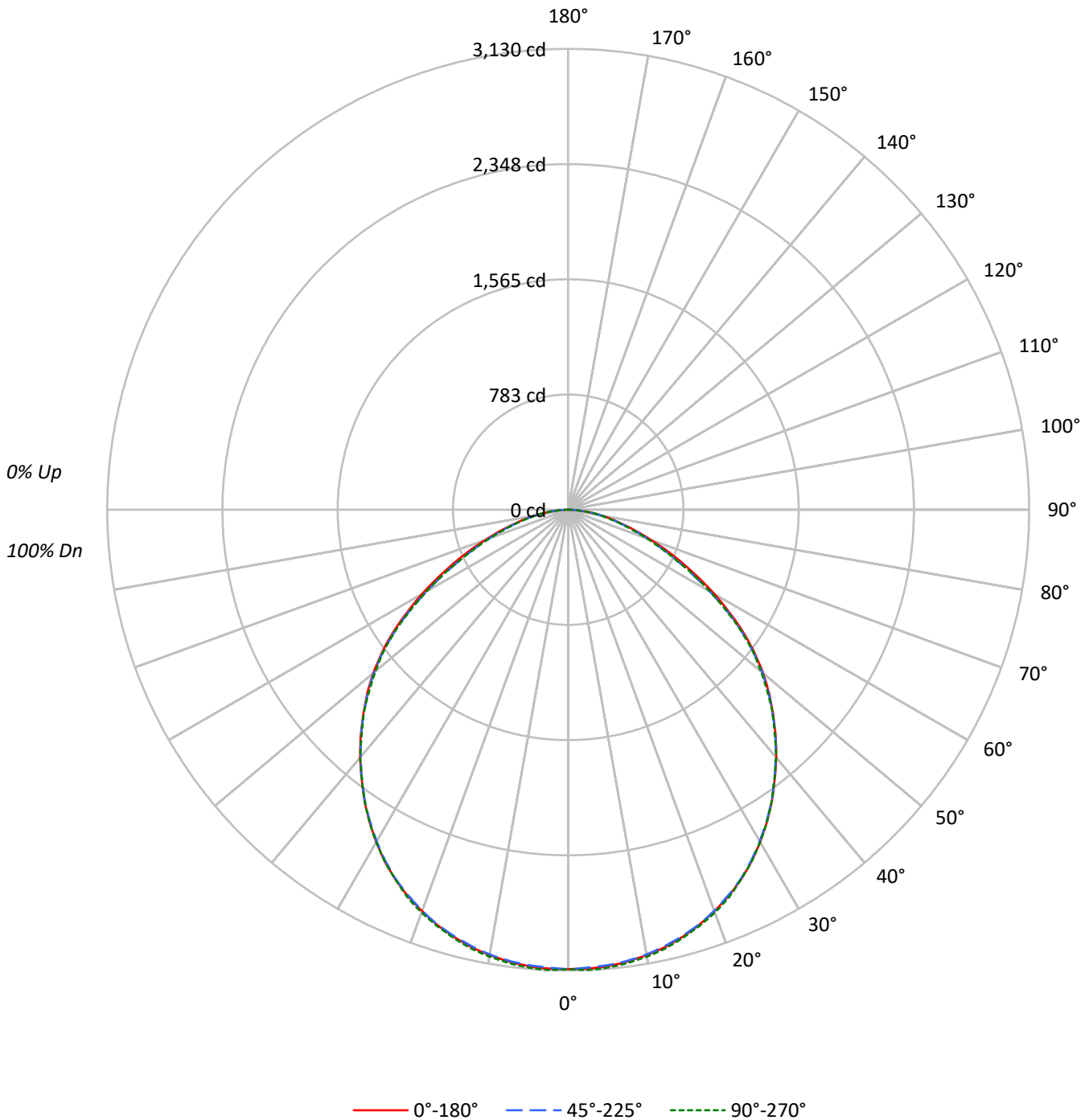
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8063.0 lumens
Efficiency: N/A
Efficacy: 113.6 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): 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	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°	9356	9356	9356
5°	9364	9344	9395
10°	9352	9338	9383
15°	9320	9302	9345
20°	9258	9251	9291
25°	9176	9161	9172
30°	9023	9003	9023
35°	8826	8814	8822
40°	8600	8573	8596
45°	8342	8318	8328
50°	8062	8025	7967
55°	7590	7501	7478
60°	6887	6656	6670
65°	6051	5745	5737
70°	5232	4994	4934
75°	4527	4357	4264
80°	4009	3950	3774
85°	3313	3430	3234



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.9	3.7
10°-20°	847.8	10.5
20°-30°	1276.4	15.8
30°-40°	1506.5	18.7
40°-50°	1515.2	18.8
50°-60°	1279.1	15.9
60°-70°	821.5	10.2
70°-80°	408.6	5.1
80°-90°	112.0	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°	2420.2	30.0
0°-40°	3926.7	48.7
0°-60°	6721.0	83.4
0°-90°	8063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3121	3121	3121	3121	3121	
5°	3112	3113	3105	3119	3122	296
15°	3003	3004	2997	3011	3011	847
25°	2774	2775	2769	2775	2773	1276
35°	2412	2413	2408	2410	2410	1507
45°	1968	1974	1962	1964	1964	1518
55°	1452	1451	1435	1429	1431	1292
65°	853	840	810	802	809	850
75°	391	388	376	373	368	423
85°	96	100	100	94	94	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3120.6	3120.6	3120.6	3120.6	3120.6
2.5°	3119.4	3120.6	3112.6	3127.3	3129.6
5°	3111.5	3112.6	3104.7	3119.4	3121.7
7.5°	3095.6	3096.8	3090.0	3103.6	3105.8
10°	3071.8	3075.2	3067.3	3079.8	3082.0
12.5°	3042.4	3043.5	3035.6	3050.3	3052.6
15°	3002.8	3003.9	2997.1	3010.7	3010.7
17.5°	2957.4	2958.6	2954.0	2965.4	2964.2
20°	2901.9	2905.3	2899.7	2907.6	2912.1
22.5°	2841.9	2843.0	2836.2	2846.4	2851.0
25°	2773.9	2775.1	2769.4	2775.1	2772.8
27.5°	2694.7	2696.9	2689.0	2694.7	2695.8
30°	2606.3	2612.0	2600.6	2605.2	2606.3
32.5°	2511.2	2514.6	2506.6	2507.8	2513.4
35°	2411.5	2412.6	2408.1	2410.4	2410.4
37.5°	2303.9	2308.4	2301.6	2305.0	2300.5
40°	2197.4	2192.9	2190.6	2192.9	2196.3
42.5°	2085.3	2086.4	2083.0	2080.7	2075.1
45°	1967.5	1974.3	1961.8	1964.1	1964.1
47.5°	1851.9	1853.1	1846.3	1839.5	1835.0
50°	1728.5	1728.5	1720.6	1714.9	1708.1
52.5°	1593.7	1591.4	1582.4	1576.7	1580.1
55°	1452.1	1451.0	1435.1	1429.4	1430.6
57.5°	1296.9	1299.2	1275.4	1269.7	1269.7
60°	1148.5	1137.2	1110.0	1102.1	1112.3
62.5°	993.4	979.8	950.3	950.3	958.3
65°	852.9	840.5	809.9	801.9	808.7
67.5°	721.5	710.2	681.9	677.3	679.6
70°	596.9	586.7	569.7	559.5	562.9
72.5°	489.3	480.3	468.9	461.0	456.5
75°	390.8	388.5	376.1	372.7	368.1
77.5°	309.2	308.1	297.9	293.4	288.8
80°	232.2	231.1	228.8	222.0	218.6
82.5°	165.4	165.4	164.2	158.6	155.2
85°	96.3	99.7	99.7	94.0	94.0
87.5°	38.5	40.8	38.5	38.5	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)