

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: P737994

Luminaire Tested: **14PT-80-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737994
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-L850
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

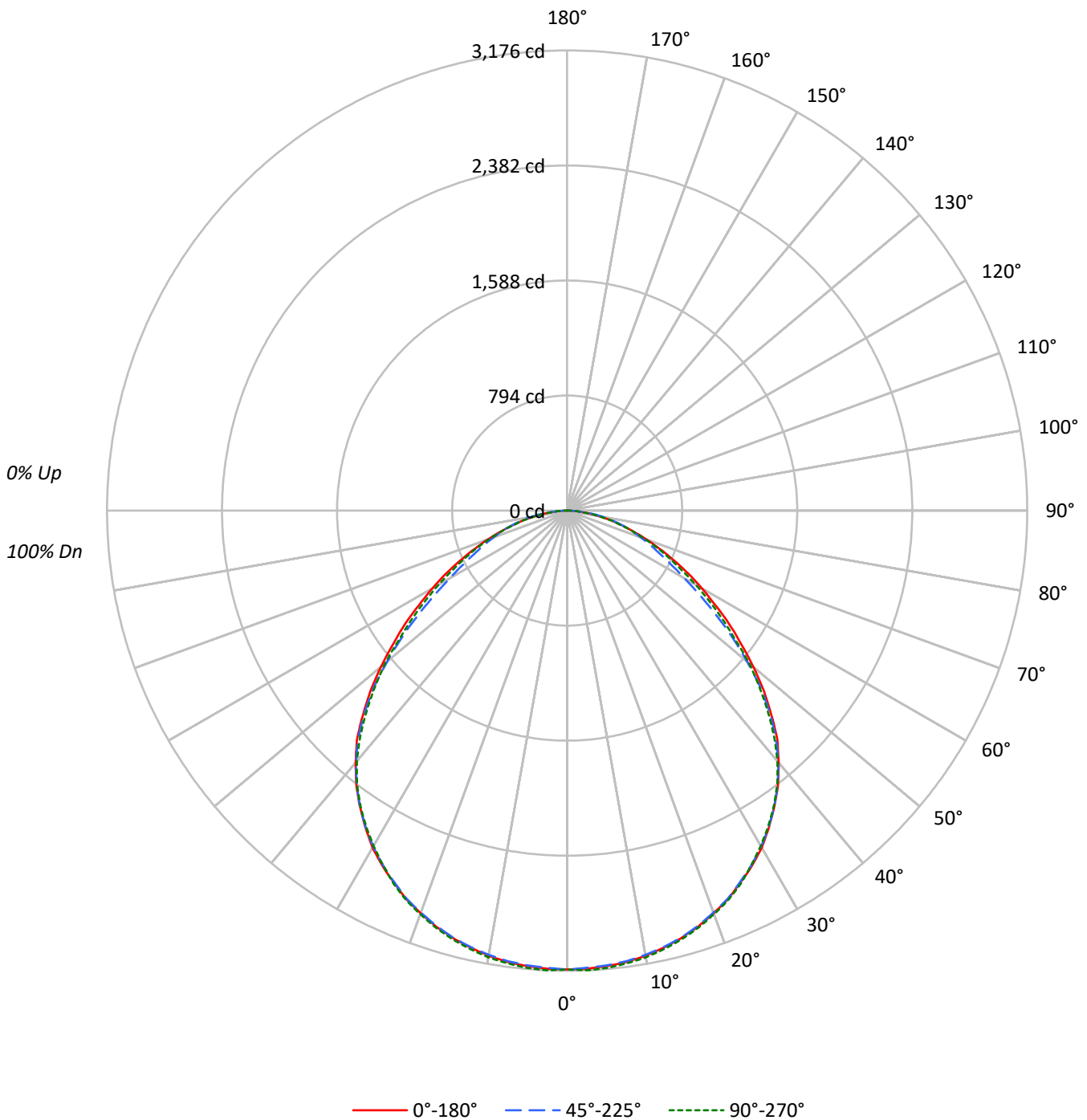
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7984.0 lumens
Efficiency: N/A
Efficacy: 112.5 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°	9495	9495	9495
5°	9497	9480	9535
10°	9497	9479	9531
15°	9475	9464	9506
20°	9432	9418	9458
25°	9367	9352	9390
30°	9297	9266	9250
35°	9129	9120	9104
40°	8888	8875	8835
45°	8452	8390	8303
50°	7824	7560	7645
55°	7140	6560	6856
60°	6439	5596	6140
65°	5753	5006	5521
70°	5103	4736	4964
75°	4513	4592	4421
80°	3892	4380	3873
85°	2924	3467	2924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	3.8
10°-20°	862.1	10.8
20°-30°	1305.3	16.3
30°-40°	1556.3	19.5
40°-50°	1520.6	19.0
50°-60°	1162.7	14.6
60°-70°	746.5	9.3
70°-80°	415.3	5.2
80°-90°	114.7	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°	2467.8	30.9
0°-40°	4024.1	50.4
0°-60°	6707.5	84.0
0°-90°	7984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3167	3167	3167	3167	3167	
5°	3156	3158	3150	3165	3168	300
15°	3053	3055	3049	3059	3063	861
25°	2832	2835	2827	2836	2838	1306
35°	2494	2496	2492	2491	2487	1558
45°	1994	1998	1979	1974	1958	1534
55°	1366	1318	1255	1271	1312	1221
65°	811	749	706	730	778	809
75°	390	393	396	391	382	416
85°	85	100	101	97	85	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3167.0	3167.0	3167.0	3167.0	3167.0
2.5°	3164.8	3165.9	3158.0	3171.6	3176.1
5°	3155.7	3158.0	3150.0	3164.8	3168.2
7.5°	3142.1	3144.4	3136.4	3151.2	3152.3
10°	3119.5	3120.6	3113.8	3128.5	3130.8
12.5°	3088.9	3092.3	3084.3	3097.9	3099.1
15°	3052.6	3054.9	3049.2	3059.4	3062.8
17.5°	3009.6	3010.7	3005.0	3016.4	3017.5
20°	2956.3	2956.3	2951.8	2964.3	2964.3
22.5°	2902.0	2898.6	2897.4	2902.0	2908.8
25°	2831.7	2835.1	2827.2	2836.3	2838.5
27.5°	2763.8	2763.8	2757.0	2761.5	2755.9
30°	2685.6	2681.1	2676.6	2677.7	2672.0
32.5°	2591.6	2591.6	2589.3	2589.3	2582.6
35°	2494.2	2496.5	2491.9	2490.8	2487.4
37.5°	2390.0	2393.4	2385.5	2383.2	2380.9
40°	2271.1	2271.1	2267.7	2263.1	2257.5
42.5°	2147.6	2147.6	2132.9	2121.5	2113.6
45°	1993.5	1998.1	1978.8	1974.3	1958.4
47.5°	1840.6	1837.2	1811.2	1807.8	1798.7
50°	1677.5	1658.3	1620.9	1631.1	1639.0
52.5°	1514.4	1490.6	1436.3	1447.6	1461.2
55°	1366.0	1318.5	1255.0	1270.9	1311.7
57.5°	1210.9	1147.4	1084.0	1113.4	1164.4
60°	1073.8	1002.4	933.3	965.1	1024.0
62.5°	942.4	866.5	811.0	841.6	891.4
65°	811.0	748.7	705.7	729.5	778.2
67.5°	690.9	649.0	619.6	630.9	670.6
70°	582.2	556.2	540.3	543.7	566.3
72.5°	479.1	472.3	466.7	466.7	468.9
75°	389.6	393.0	396.4	390.8	381.7
77.5°	307.0	318.3	326.2	314.9	303.6
80°	225.4	243.5	253.7	241.3	224.3
82.5°	154.0	174.4	177.8	169.9	150.6
85°	85.0	99.7	100.8	97.4	85.0
87.5°	31.7	37.4	40.8	37.4	32.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)