

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: P738685

Luminaire Tested: **24PT-80-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PW1-L940
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

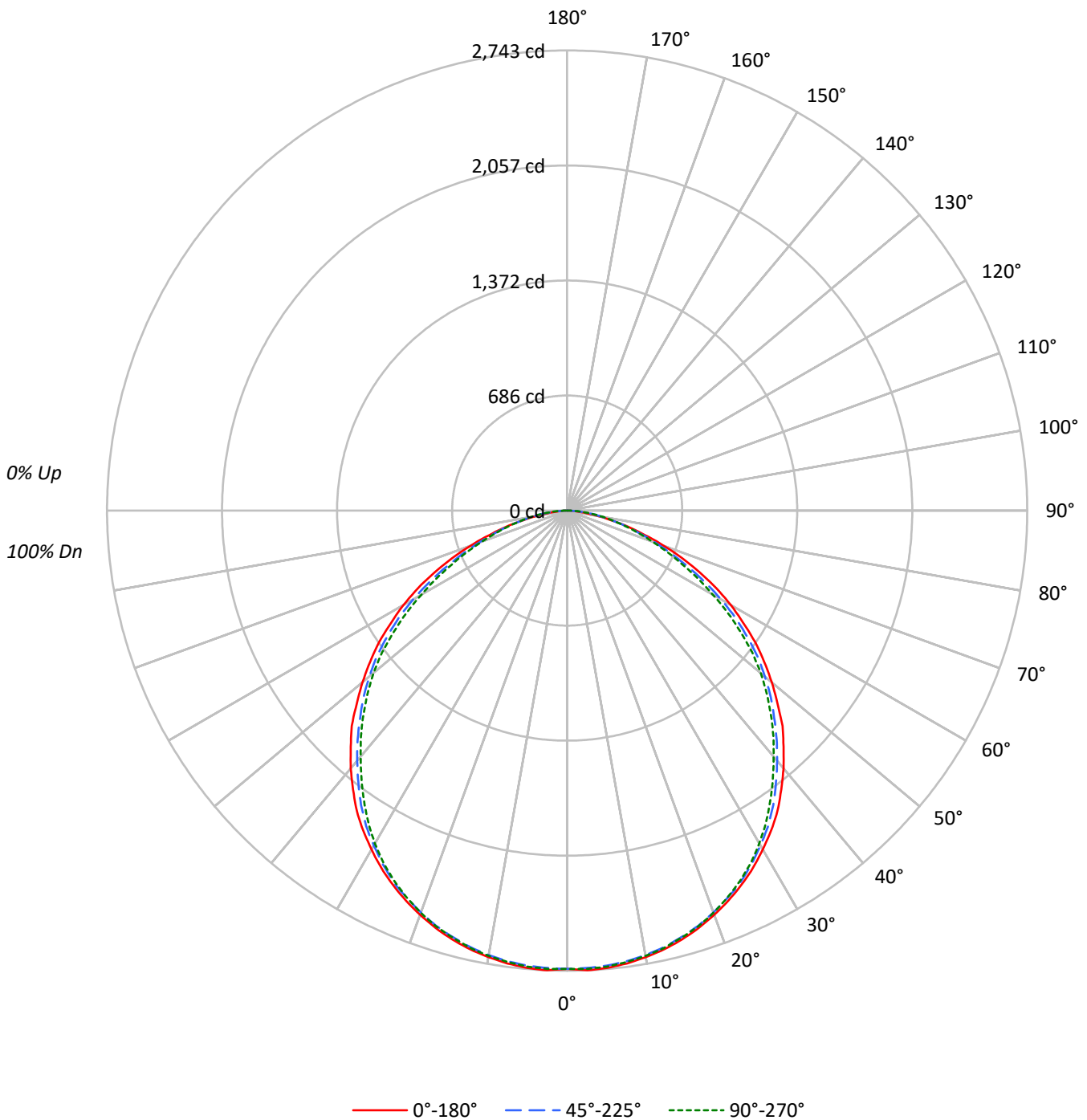
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7284.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3917	3917	3917
5°	3939	3919	3927
10°	3936	3918	3925
15°	3929	3907	3912
20°	3913	3890	3892
25°	3892	3870	3855
30°	3861	3817	3793
35°	3827	3749	3697
40°	3756	3645	3585
45°	3682	3539	3482
50°	3552	3432	3360
55°	3422	3275	3157
60°	3234	3035	2879
65°	2961	2704	2564
70°	2566	2344	2258
75°	2100	2022	1995
80°	1533	1728	1780
85°	1027	1443	1533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	3.6
10°-20°	743.8	10.2
20°-30°	1125.7	15.5
30°-40°	1339.4	18.4
40°-50°	1353.0	18.6
50°-60°	1170.7	16.1
60°-70°	799.7	11.0
70°-80°	394.1	5.4
80°-90°	98.5	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°	2128.6	29.2
0°-40°	3468.0	47.6
0°-60°	5991.7	82.3
0°-90°	7284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2732	2732	2732	2732	2732	
5°	2736	2726	2723	2721	2729	260
15°	2646	2638	2632	2631	2635	747
25°	2460	2451	2446	2436	2436	1134
35°	2186	2168	2142	2118	2112	1365
45°	1816	1785	1745	1726	1717	1394
55°	1369	1350	1310	1283	1263	1219
65°	873	840	797	771	756	862
75°	379	368	365	362	360	405
85°	62	77	88	91	93	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2731.8	2731.8	2731.8	2731.8	2731.8
2.5°	2742.8	2732.6	2729.4	2727.0	2734.2
5°	2736.5	2726.3	2723.1	2720.7	2728.6
7.5°	2723.1	2712.8	2709.7	2707.3	2713.6
10°	2703.4	2693.9	2690.7	2688.3	2695.5
12.5°	2678.1	2669.4	2665.4	2662.3	2670.2
15°	2646.5	2637.8	2632.3	2630.7	2635.4
17.5°	2608.6	2599.9	2595.9	2593.6	2599.1
20°	2564.4	2554.9	2549.3	2546.2	2550.9
22.5°	2515.4	2505.9	2498.8	2495.6	2497.2
25°	2460.1	2450.6	2445.9	2436.4	2436.4
27.5°	2400.9	2389.8	2378.0	2367.7	2368.5
30°	2332.2	2319.5	2305.3	2291.9	2291.1
32.5°	2262.7	2246.9	2229.5	2211.3	2205.8
35°	2186.1	2167.9	2141.8	2118.1	2111.8
37.5°	2096.0	2079.4	2044.7	2024.9	2014.7
40°	2006.8	1983.1	1947.5	1924.6	1915.2
42.5°	1908.9	1885.9	1848.0	1826.7	1818.8
45°	1815.7	1784.9	1745.4	1725.6	1716.9
47.5°	1699.6	1674.3	1646.7	1623.7	1612.7
50°	1592.2	1571.6	1538.5	1513.2	1506.1
52.5°	1480.0	1462.6	1431.0	1397.9	1390.0
55°	1368.7	1349.7	1310.2	1282.6	1262.8
57.5°	1243.1	1226.5	1189.4	1153.8	1136.5
60°	1127.8	1099.3	1058.3	1019.6	1003.8
62.5°	1002.2	974.6	927.2	887.7	879.0
65°	872.7	839.5	796.9	770.8	755.8
67.5°	741.6	709.2	673.7	657.1	647.6
70°	612.1	586.0	559.2	547.3	538.6
72.5°	487.3	472.3	457.3	452.5	444.6
75°	379.1	368.0	364.9	362.5	360.1
77.5°	273.3	278.8	281.9	285.1	281.9
80°	185.6	197.4	209.3	215.6	215.6
82.5°	114.5	135.0	145.3	151.6	150.8
85°	62.4	77.4	87.7	90.8	93.2
87.5°	25.3	31.6	35.5	38.7	40.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)