

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: P738682

Luminaire Tested: **24PT-80-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738682
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-L850
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

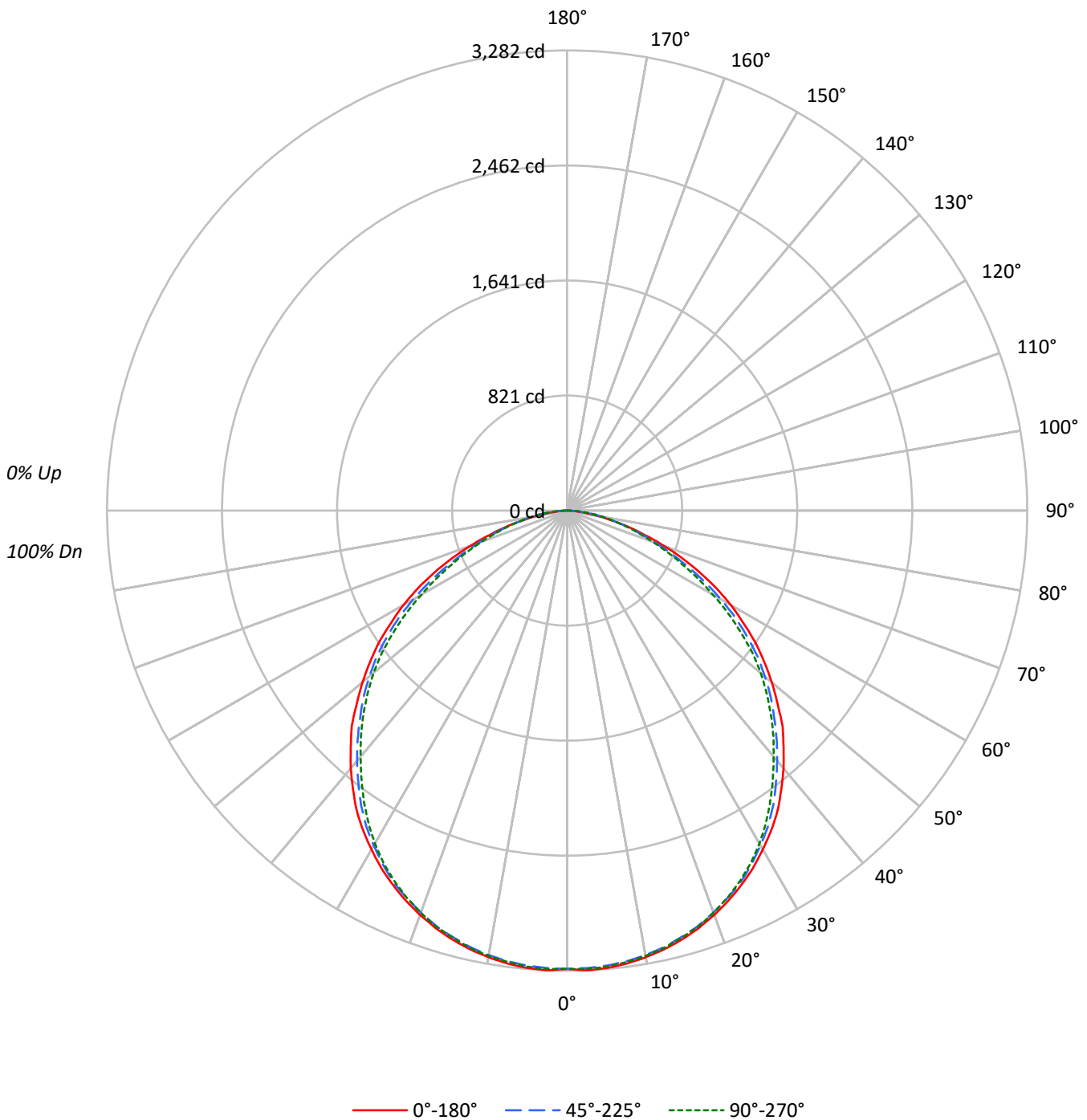
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8716.0 lumens
Efficiency: N/A
Efficacy: 127.6 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°	4687	4687	4687
5°	4713	4690	4700
10°	4710	4688	4696
15°	4701	4676	4681
20°	4682	4655	4658
25°	4657	4630	4612
30°	4621	4567	4539
35°	4579	4486	4423
40°	4495	4362	4290
45°	4406	4235	4166
50°	4250	4106	4020
55°	4094	3919	3778
60°	3870	3631	3444
65°	3543	3235	3068
70°	3070	2805	2702
75°	2513	2419	2387
80°	1834	2068	2130
85°	1229	1726	1834



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.0	3.6
10°-20°	890.0	10.2
20°-30°	1347.0	15.5
30°-40°	1602.8	18.4
40°-50°	1619.0	18.6
50°-60°	1400.8	16.1
60°-70°	957.0	11.0
70°-80°	471.6	5.4
80°-90°	117.9	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°	2547.1	29.2
0°-40°	4149.8	47.6
0°-60°	7169.6	82.3
0°-90°	8716.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8716.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3269	3269	3269	3269	3269	
5°	3274	3262	3258	3256	3265	311
15°	3167	3156	3150	3148	3154	894
25°	2944	2932	2927	2915	2915	1357
35°	2616	2594	2563	2535	2527	1633
45°	2173	2136	2088	2065	2054	1668
55°	1638	1615	1568	1535	1511	1458
65°	1044	1005	954	922	904	1031
75°	454	440	437	434	431	485
85°	75	93	105	109	112	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3268.8	3268.8	3268.8	3268.8	3268.8
2.5°	3282.1	3269.8	3266.0	3263.2	3271.7
5°	3274.5	3262.2	3258.4	3255.6	3265.1
7.5°	3258.4	3246.2	3242.4	3239.5	3247.1
10°	3234.8	3223.5	3219.7	3216.9	3225.4
12.5°	3204.6	3194.2	3189.5	3185.7	3195.1
15°	3166.8	3156.4	3149.8	3147.9	3153.5
17.5°	3121.4	3111.0	3106.3	3103.5	3110.1
20°	3068.5	3057.2	3050.5	3046.8	3052.4
22.5°	3009.9	2998.6	2990.1	2986.3	2988.2
25°	2943.7	2932.4	2926.7	2915.4	2915.4
27.5°	2872.9	2859.6	2845.5	2833.2	2834.1
30°	2790.7	2775.5	2758.5	2742.5	2741.5
32.5°	2707.5	2688.6	2667.8	2646.1	2639.5
35°	2615.8	2594.1	2562.9	2534.6	2527.0
37.5°	2508.1	2488.2	2446.7	2423.0	2410.8
40°	2401.3	2373.0	2330.4	2303.0	2291.7
42.5°	2284.1	2256.7	2211.4	2185.8	2176.4
45°	2172.6	2135.8	2088.5	2064.9	2054.5
47.5°	2033.7	2003.5	1970.4	1943.0	1929.7
50°	1905.2	1880.6	1840.9	1810.7	1802.2
52.5°	1771.0	1750.2	1712.4	1672.7	1663.2
55°	1637.7	1615.0	1567.8	1534.7	1511.1
57.5°	1487.5	1467.6	1423.2	1380.7	1359.9
60°	1349.5	1315.5	1266.3	1220.0	1201.1
62.5°	1199.2	1166.2	1109.5	1062.2	1051.8
65°	1044.3	1004.6	953.5	922.3	904.4
67.5°	887.4	848.6	806.1	786.3	774.9
70°	732.4	701.2	669.1	654.9	644.5
72.5°	583.1	565.1	547.2	541.5	532.0
75°	453.6	440.4	436.6	433.8	430.9
77.5°	327.0	333.6	337.4	341.2	337.4
80°	222.1	236.3	250.4	258.0	258.0
82.5°	137.0	161.6	173.9	181.4	180.5
85°	74.7	92.6	104.9	108.7	111.5
87.5°	30.2	37.8	42.5	46.3	48.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)