

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: P738385

Luminaire Tested: **24PT-100-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PR1-L840
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

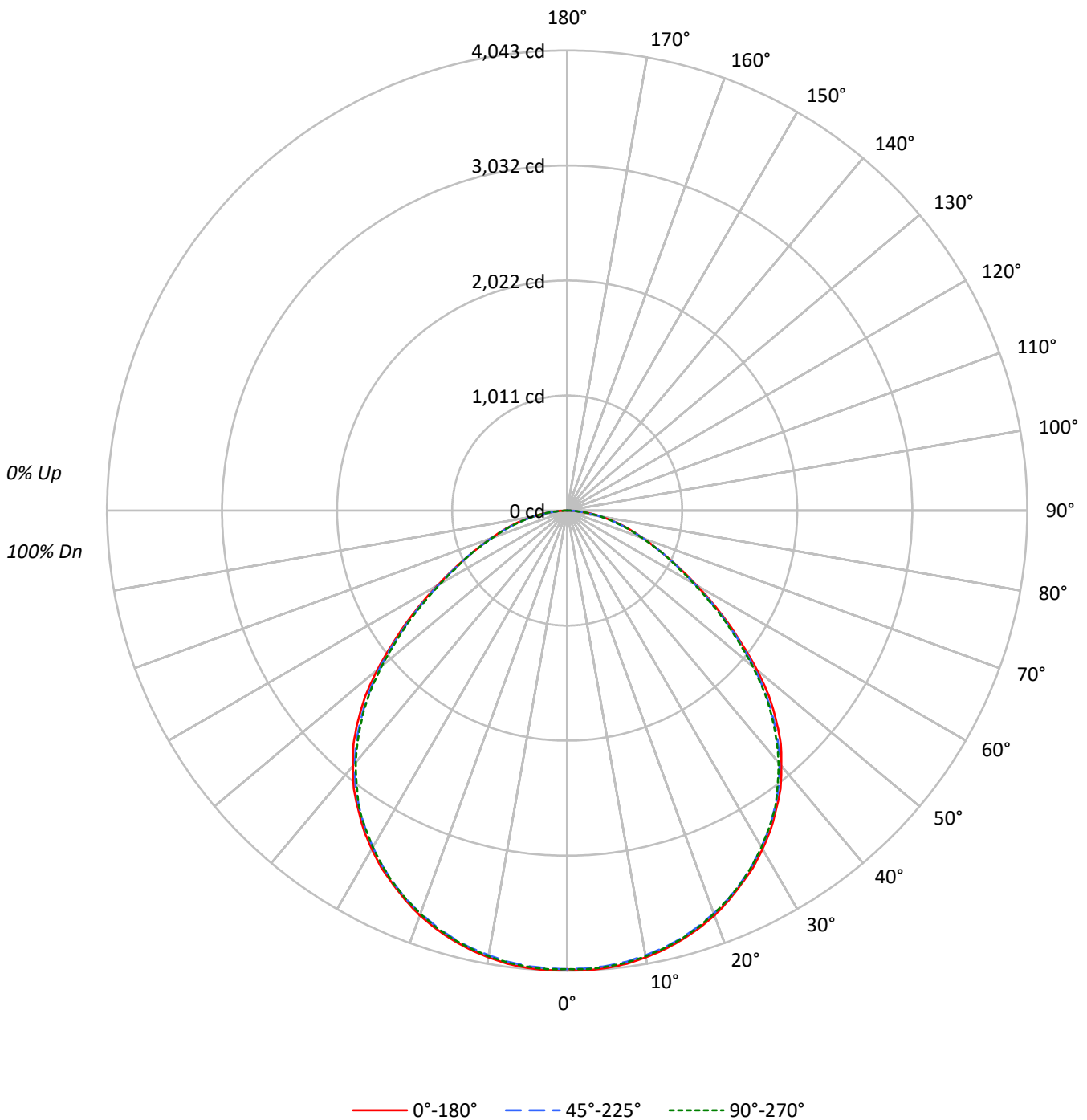
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10263.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85.4
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	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	89	80	73	67	77	71	66	75	70	65	72	68	64	62				
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53				
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47				
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41				
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36				
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	42	36	31	41	36	31	29				
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5778	5778	5778
5°	5805	5781	5791
10°	5804	5776	5789
15°	5795	5770	5780
20°	5777	5747	5753
25°	5730	5712	5715
30°	5685	5653	5653
35°	5607	5573	5579
40°	5479	5433	5410
45°	5261	5176	5149
50°	4856	4786	4741
55°	4323	4261	4233
60°	3768	3726	3688
65°	3302	3306	3286
70°	2972	2962	2920
75°	2767	2686	2692
80°	2471	2424	2424
85°	1907	1963	1889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.2	3.7
10°-20°	1097.7	10.7
20°-30°	1664.2	16.2
30°-40°	1990.4	19.4
40°-50°	1965.3	19.1
50°-60°	1529.7	14.9
60°-70°	971.1	9.5
70°-80°	521.1	5.1
80°-90°	141.3	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°	3144.1	30.6
0°-40°	5134.5	50.0
0°-60°	8629.5	84.1
0°-90°	10263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4030	4030	4030	4030	4030	
5°	4033	4021	4016	4014	4023	384
15°	3904	3890	3887	3882	3894	1102
25°	3622	3615	3610	3604	3612	1670
35°	3203	3196	3184	3174	3187	2003
45°	2594	2576	2553	2540	2539	1992
55°	1729	1720	1704	1693	1693	1548
65°	973	976	974	962	969	976
75°	500	492	485	484	486	528
85°	116	118	119	119	115	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4029.9	4029.9	4029.9	4029.9	4029.9
2.5°	4043.4	4029.9	4025.4	4023.1	4033.2
5°	4033.2	4020.9	4016.4	4014.1	4023.1
7.5°	4016.4	4001.7	3997.2	3995.0	4005.1
10°	3986.0	3972.5	3966.9	3966.9	3975.9
12.5°	3950.0	3938.7	3933.1	3928.6	3938.7
15°	3903.8	3890.3	3887.0	3882.5	3893.7
17.5°	3848.7	3835.2	3830.7	3828.5	3836.3
20°	3785.7	3768.8	3766.6	3765.5	3770.0
22.5°	3708.1	3699.1	3694.6	3692.3	3695.7
25°	3621.5	3614.7	3610.2	3603.5	3612.5
27.5°	3537.1	3528.1	3516.8	3511.2	3516.8
30°	3433.6	3422.3	3414.5	3412.2	3414.5
32.5°	3326.7	3315.5	3305.3	3304.2	3303.1
35°	3203.0	3196.2	3183.8	3173.7	3187.2
37.5°	3080.3	3064.6	3053.3	3041.0	3037.6
40°	2927.3	2921.7	2902.6	2891.3	2890.2
42.5°	2778.8	2752.9	2739.4	2731.6	2719.2
45°	2594.3	2576.3	2552.7	2540.3	2539.2
47.5°	2401.9	2379.4	2356.9	2340.1	2344.6
50°	2176.9	2166.8	2145.4	2130.8	2125.2
52.5°	1945.2	1942.9	1920.4	1911.4	1901.3
55°	1729.2	1720.2	1704.4	1693.2	1693.2
57.5°	1516.5	1508.7	1500.8	1479.4	1479.4
60°	1314.0	1312.9	1299.4	1287.0	1285.9
62.5°	1132.9	1139.7	1127.3	1114.9	1108.2
65°	973.1	976.5	974.3	961.9	968.6
67.5°	832.5	833.6	829.1	822.4	826.9
70°	708.8	714.4	706.5	702.0	696.4
72.5°	600.8	598.5	591.8	595.1	587.3
75°	499.5	491.6	484.9	483.8	486.0
77.5°	398.3	396.0	390.4	390.4	387.0
80°	299.3	297.0	293.6	294.8	293.6
82.5°	212.6	207.0	202.5	204.8	205.9
85°	115.9	118.1	119.3	119.3	114.8
87.5°	47.3	46.1	47.3	49.5	50.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)