

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: P738386

Luminaire Tested: **24PT-100-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738386
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-L850
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

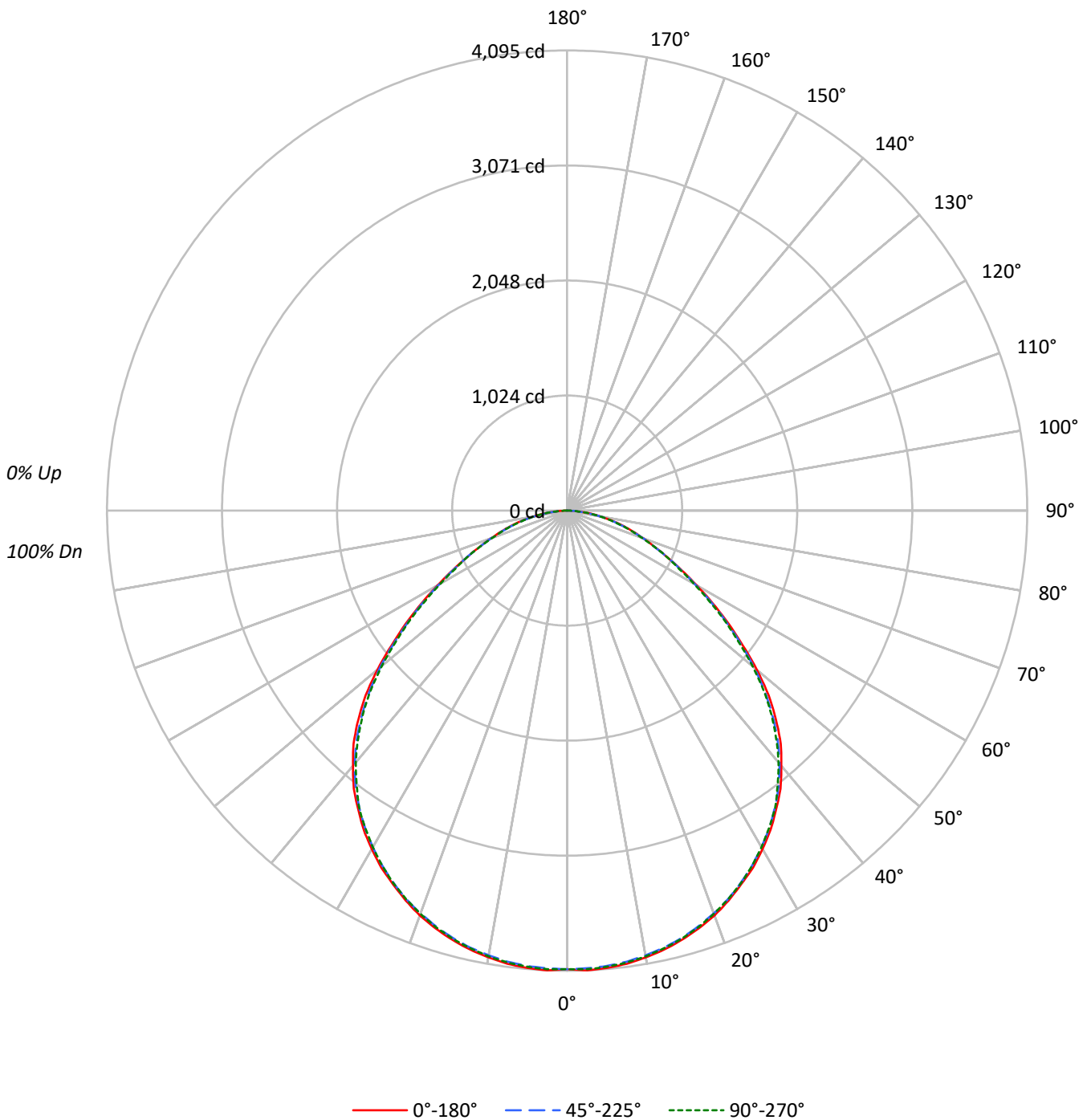
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10395.0 lumens
Efficiency: N/A
Efficacy: 121.7 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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62					62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53					53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47					47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5853	5853	5853
5°	5880	5855	5865
10°	5878	5850	5863
15°	5870	5844	5854
20°	5851	5821	5827
25°	5803	5785	5789
30°	5758	5726	5726
35°	5679	5645	5651
40°	5550	5503	5479
45°	5328	5243	5215
50°	4918	4847	4802
55°	4378	4316	4287
60°	3817	3774	3735
65°	3344	3348	3329
70°	3010	3000	2957
75°	2803	2721	2727
80°	2503	2456	2456
85°	1931	1987	1912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.1	3.7
10°-20°	1111.8	10.7
20°-30°	1685.6	16.2
30°-40°	2016.0	19.4
40°-50°	1990.5	19.1
50°-60°	1549.3	14.9
60°-70°	983.6	9.5
70°-80°	527.8	5.1
80°-90°	143.1	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°	3184.5	30.6
0°-40°	5200.6	50.0
0°-60°	8740.5	84.1
0°-90°	10395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4082	4082	4082	4082	4082	
5°	4085	4073	4068	4066	4075	388
15°	3954	3940	3937	3932	3944	1116
25°	3668	3661	3657	3650	3659	1692
35°	3244	3237	3225	3214	3228	2028
45°	2628	2610	2586	2573	2572	2017
55°	1751	1742	1726	1715	1715	1568
65°	986	989	987	974	981	989
75°	506	498	491	490	492	535
85°	117	120	121	121	116	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4081.7	4081.7	4081.7	4081.7	4081.7
2.5°	4095.4	4081.7	4077.1	4074.8	4085.1
5°	4085.1	4072.6	4068.0	4065.7	4074.8
7.5°	4068.0	4053.2	4048.6	4046.4	4056.6
10°	4037.2	4023.6	4017.9	4017.9	4027.0
12.5°	4000.8	3989.4	3983.7	3979.1	3989.4
15°	3954.1	3940.4	3937.0	3932.4	3943.8
17.5°	3898.2	3884.6	3880.0	3877.7	3885.7
20°	3834.4	3817.3	3815.0	3813.9	3818.5
22.5°	3755.8	3746.7	3742.1	3739.8	3743.3
25°	3668.0	3661.2	3656.7	3649.8	3658.9
27.5°	3582.6	3573.5	3562.1	3556.4	3562.1
30°	3477.7	3466.4	3458.4	3456.1	3458.4
32.5°	3369.5	3358.1	3347.8	3346.7	3345.6
35°	3244.2	3237.3	3224.8	3214.5	3228.2
37.5°	3119.9	3104.0	3092.6	3080.1	3076.6
40°	2965.0	2959.3	2939.9	2928.5	2927.4
42.5°	2814.6	2788.4	2774.7	2766.7	2754.2
45°	2627.7	2609.5	2585.5	2573.0	2571.8
47.5°	2432.8	2410.0	2387.2	2370.2	2374.7
50°	2204.9	2194.7	2173.0	2158.2	2152.5
52.5°	1970.2	1967.9	1945.1	1936.0	1925.8
55°	1751.4	1742.3	1726.3	1714.9	1714.9
57.5°	1536.0	1528.1	1520.1	1498.4	1498.4
60°	1330.9	1329.8	1316.1	1303.6	1302.4
62.5°	1147.5	1154.3	1141.8	1129.2	1122.4
65°	985.7	989.1	986.8	974.3	981.1
67.5°	843.2	844.4	839.8	833.0	837.5
70°	717.9	723.6	715.6	711.0	705.3
72.5°	608.5	606.2	599.4	602.8	594.8
75°	505.9	498.0	491.1	490.0	492.3
77.5°	403.4	401.1	395.4	395.4	392.0
80°	303.1	300.8	297.4	298.5	297.4
82.5°	215.4	209.7	205.1	207.4	208.5
85°	117.4	119.6	120.8	120.8	116.2
87.5°	47.9	46.7	47.9	50.1	51.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)