

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: P738390

Luminaire Tested: **24PT-100-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738390
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-L950
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

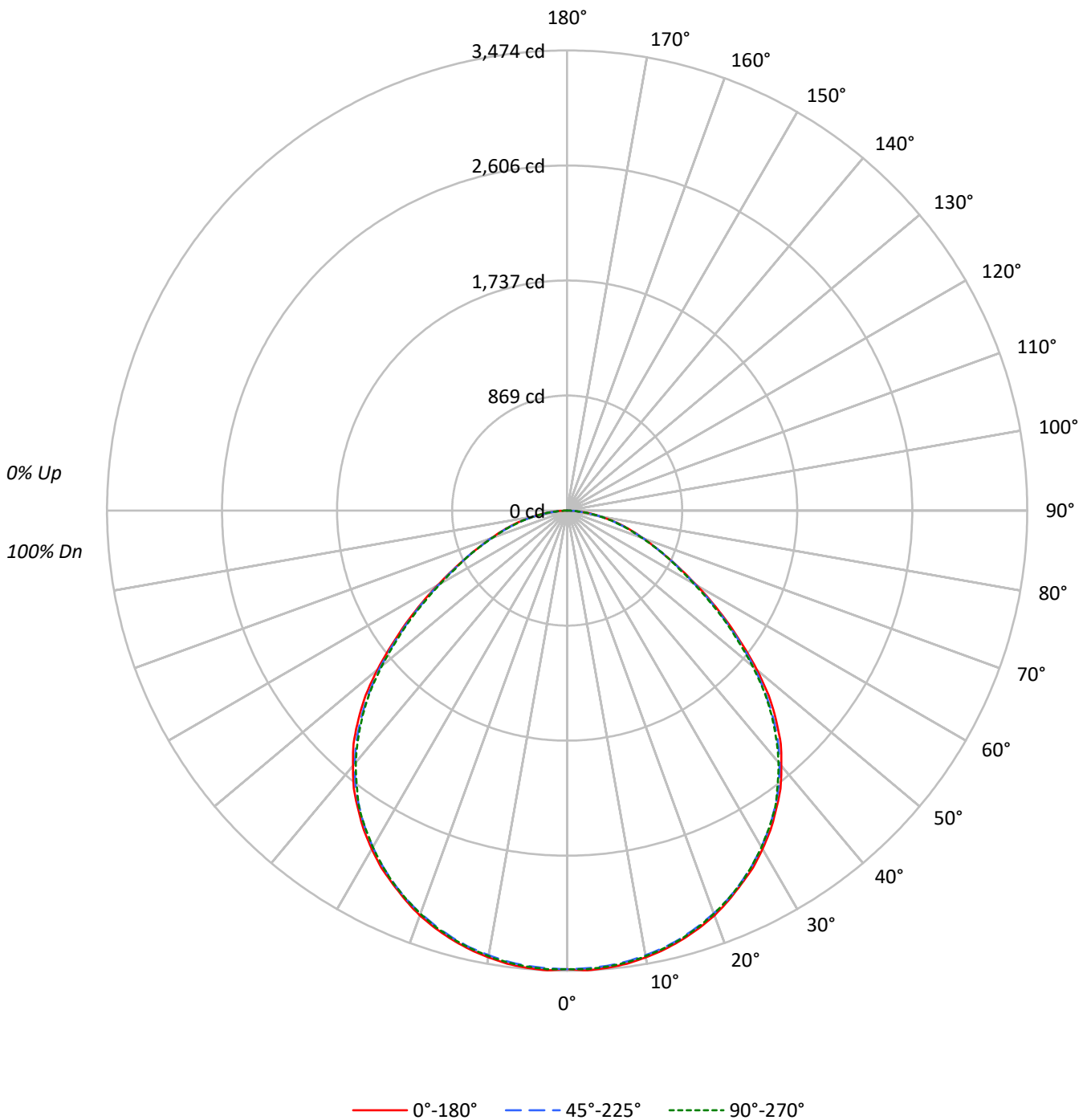
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8818.0 lumens
Efficiency: N/A
Efficacy: 103.3 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°	4965	4965	4965
5°	4988	4967	4975
10°	4986	4962	4974
15°	4979	4958	4966
20°	4963	4938	4943
25°	4923	4907	4910
30°	4884	4857	4857
35°	4817	4788	4794
40°	4708	4668	4648
45°	4520	4448	4424
50°	4172	4112	4073
55°	3714	3661	3637
60°	3238	3202	3169
65°	2837	2840	2824
70°	2553	2545	2508
75°	2378	2308	2314
80°	2123	2083	2083
85°	1639	1686	1622



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.4	3.7
10°-20°	943.1	10.7
20°-30°	1429.9	16.2
30°-40°	1710.2	19.4
40°-50°	1688.6	19.1
50°-60°	1314.3	14.9
60°-70°	834.4	9.5
70°-80°	447.7	5.1
80°-90°	121.4	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°	2701.4	30.6
0°-40°	4411.6	50.0
0°-60°	7414.5	84.1
0°-90°	8818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8818.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3462	3462	3462	3462	3462	
5°	3465	3455	3451	3449	3457	330
15°	3354	3343	3340	3336	3346	947
25°	3112	3106	3102	3096	3104	1435
35°	2752	2746	2736	2727	2738	1721
45°	2229	2214	2193	2183	2182	1711
55°	1486	1478	1464	1455	1455	1330
65°	836	839	837	826	832	839
75°	429	422	417	416	418	454
85°	100	102	102	102	99	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3462.5	3462.5	3462.5	3462.5	3462.5
2.5°	3474.1	3462.5	3458.6	3456.7	3465.4
5°	3465.4	3454.7	3450.9	3448.9	3456.7
7.5°	3450.9	3438.3	3434.4	3432.5	3441.2
10°	3424.8	3413.2	3408.3	3408.3	3416.1
12.5°	3393.8	3384.2	3379.3	3375.5	3384.2
15°	3354.2	3342.6	3339.7	3335.8	3345.5
17.5°	3306.8	3295.2	3291.4	3289.4	3296.2
20°	3252.7	3238.2	3236.3	3235.3	3239.2
22.5°	3186.0	3178.3	3174.4	3172.5	3175.4
25°	3111.6	3105.8	3101.9	3096.1	3103.8
27.5°	3039.1	3031.3	3021.7	3016.8	3021.7
30°	2950.1	2940.5	2933.7	2931.8	2933.7
32.5°	2858.3	2848.7	2840.0	2839.0	2838.0
35°	2752.0	2746.2	2735.6	2726.9	2738.5
37.5°	2646.6	2633.1	2623.4	2612.8	2609.9
40°	2515.2	2510.3	2493.9	2484.2	2483.3
42.5°	2387.6	2365.3	2353.7	2347.0	2336.3
45°	2229.0	2213.6	2193.3	2182.6	2181.7
47.5°	2063.8	2044.4	2025.1	2010.6	2014.5
50°	1870.4	1861.7	1843.4	1830.8	1826.0
52.5°	1671.3	1669.4	1650.0	1642.3	1633.6
55°	1485.7	1478.0	1464.4	1454.8	1454.8
57.5°	1303.0	1296.2	1289.5	1271.1	1271.1
60°	1129.0	1128.1	1116.5	1105.8	1104.9
62.5°	973.4	979.2	968.6	957.9	952.1
65°	836.1	839.0	837.1	826.5	832.3
67.5°	715.3	716.3	712.4	706.6	710.5
70°	609.0	613.8	607.0	603.2	598.3
72.5°	516.2	514.2	508.4	511.3	504.6
75°	429.2	422.4	416.6	415.6	417.6
77.5°	342.2	340.3	335.4	335.4	332.5
80°	257.1	255.2	252.3	253.3	252.3
82.5°	182.7	177.9	174.0	175.9	176.9
85°	99.6	101.5	102.5	102.5	98.6
87.5°	40.6	39.6	40.6	42.5	43.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)