

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: P738665

Luminaire Tested: **24PT-80-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PL1-L840
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

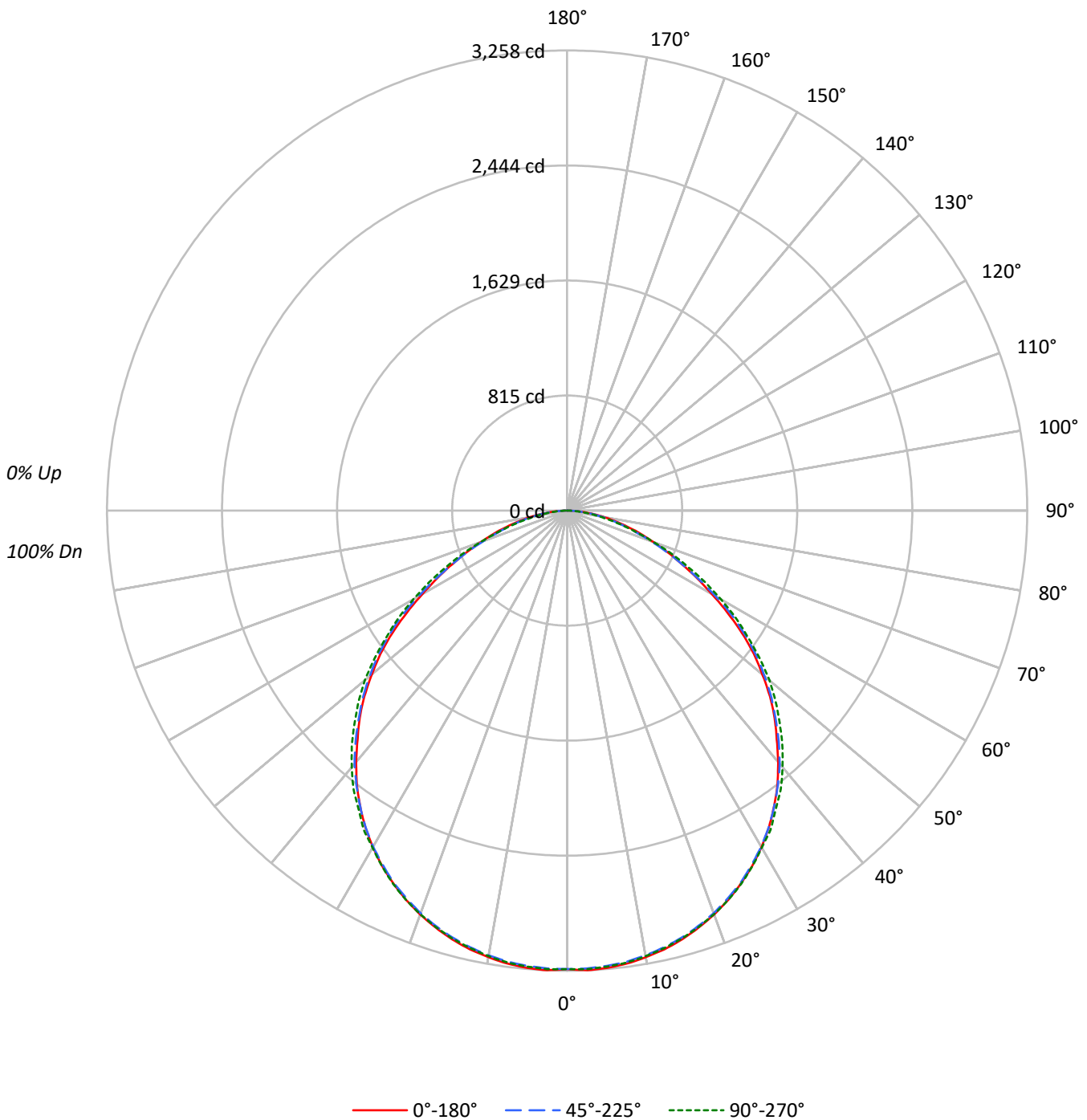
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8593.0 lumens
Efficiency: N/A
Efficacy: 125.8 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): 68.3
Input Voltage (V): NR
Input Current (A_{in}): 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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4655	4655	4655
5°	4678	4658	4665
10°	4675	4656	4664
15°	4667	4647	4657
20°	4643	4629	4640
25°	4609	4599	4614
30°	4555	4548	4564
35°	4472	4474	4508
40°	4349	4382	4442
45°	4214	4233	4316
50°	4026	4071	4169
55°	3779	3849	3907
60°	3393	3476	3604
65°	3036	3042	3207
70°	2707	2633	2727
75°	2445	2300	2259
80°	2172	2026	1788
85°	1780	1688	1397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.9	3.6
10°-20°	884.2	10.3
20°-30°	1339.6	15.6
30°-40°	1600.9	18.6
40°-50°	1614.9	18.8
50°-60°	1370.1	15.9
60°-70°	906.5	10.5
70°-80°	449.9	5.2
80°-90°	119.0	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°	2531.7	29.5
0°-40°	4132.6	48.1
0°-60°	7117.6	82.8
0°-90°	8593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3246	3246	3246	3246	3246	
5°	3250	3239	3236	3234	3241	309
15°	3144	3134	3131	3131	3137	887
25°	2913	2907	2907	2906	2916	1342
35°	2555	2551	2556	2570	2576	1596
45°	2078	2075	2087	2115	2128	1599
55°	1512	1515	1540	1554	1563	1344
65°	895	893	897	925	945	893
75°	441	429	415	402	408	472
85°	108	108	103	94	85	128
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3246.4	3246.4	3246.4	3246.4	3246.4
2.5°	3257.6	3247.3	3244.5	3242.7	3250.1
5°	3250.1	3238.9	3236.1	3234.3	3240.8
7.5°	3235.2	3223.1	3221.2	3219.3	3227.7
10°	3210.9	3199.7	3197.9	3196.0	3203.5
12.5°	3182.0	3170.8	3167.1	3168.0	3172.7
15°	3143.8	3133.5	3130.7	3130.7	3137.2
17.5°	3096.2	3086.8	3085.0	3084.0	3092.4
20°	3043.0	3033.6	3033.6	3036.4	3041.1
22.5°	2982.3	2975.8	2972.1	2973.9	2983.3
25°	2913.3	2906.7	2906.7	2905.8	2916.1
27.5°	2836.8	2828.4	2828.4	2835.8	2839.6
30°	2750.9	2743.4	2747.2	2752.8	2756.5
32.5°	2658.5	2653.9	2656.7	2665.1	2680.0
35°	2554.9	2551.2	2555.9	2569.9	2575.5
37.5°	2446.7	2443.9	2450.4	2469.1	2485.0
40°	2323.5	2323.5	2341.3	2358.0	2373.0
42.5°	2195.7	2204.1	2217.1	2243.3	2256.3
45°	2078.1	2075.3	2087.4	2115.4	2128.5
47.5°	1947.5	1944.7	1962.4	1982.0	2003.5
50°	1804.7	1803.8	1825.2	1842.0	1869.1
52.5°	1665.7	1674.1	1688.1	1703.0	1718.8
55°	1511.7	1515.4	1539.7	1553.7	1563.0
57.5°	1345.6	1357.7	1387.6	1408.1	1416.5
60°	1183.2	1190.7	1212.2	1248.5	1256.9
62.5°	1035.8	1038.6	1051.7	1092.7	1103.9
65°	894.9	893.0	896.7	924.7	945.3
67.5°	767.0	759.6	759.6	774.5	799.7
70°	645.7	634.5	628.0	632.7	650.4
72.5°	544.0	529.1	512.3	509.5	520.7
75°	441.4	429.2	415.2	402.2	407.8
77.5°	351.8	341.5	328.5	313.5	306.1
80°	263.1	259.4	245.4	231.4	216.5
82.5°	183.8	181.0	171.7	160.5	151.2
85°	108.2	108.2	102.6	94.2	84.9
87.5°	48.5	46.7	48.5	41.1	38.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)