

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: P738382

Luminaire Tested: **24PT-100-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738382
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-100-PL1-L950
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

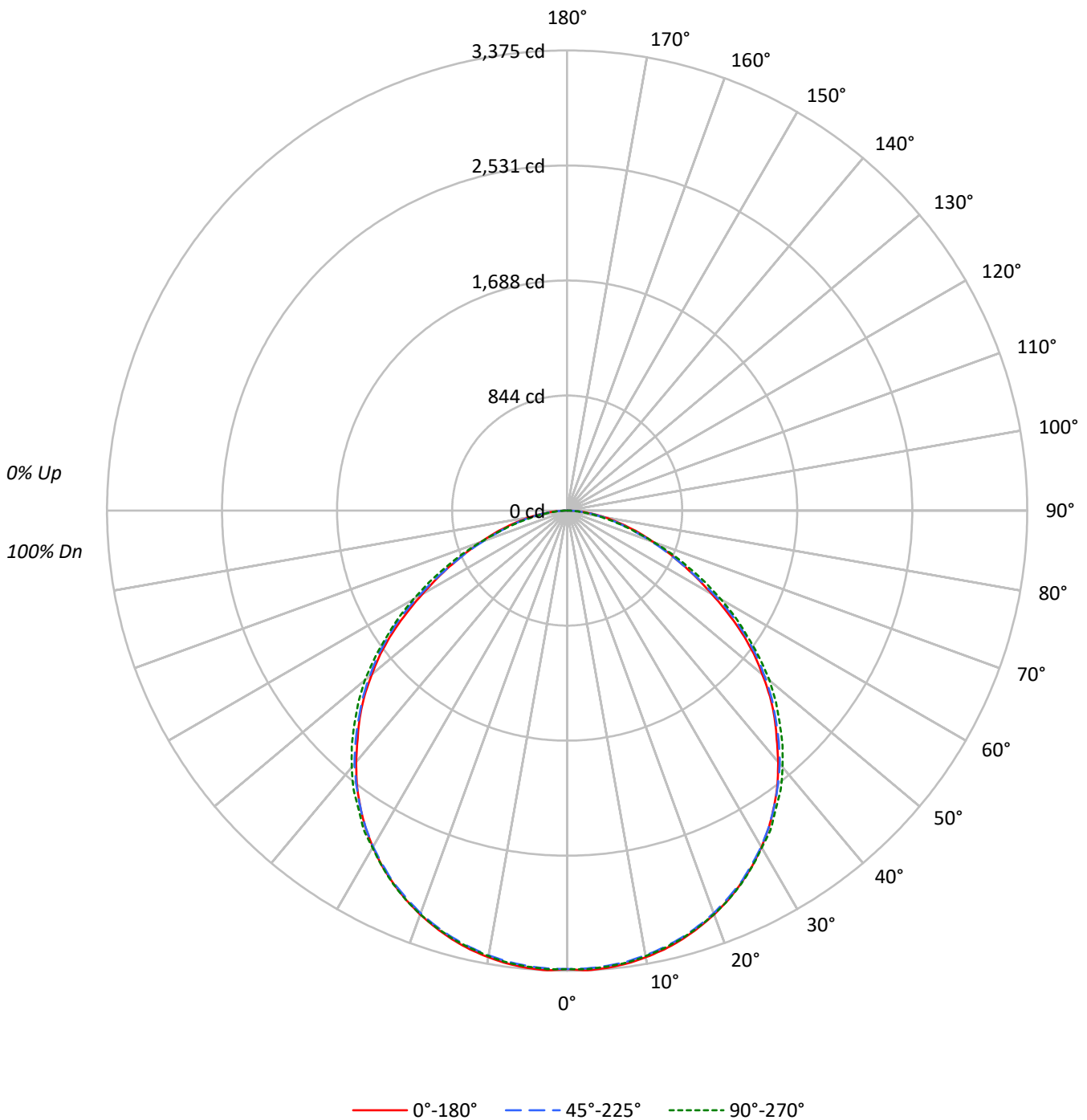
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8902.0 lumens
Efficiency: N/A
Efficacy: 104.2 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 (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°	4822	4822	4822
5°	4846	4825	4832
10°	4843	4824	4832
15°	4835	4814	4824
20°	4810	4795	4807
25°	4775	4764	4779
30°	4718	4712	4728
35°	4633	4635	4670
40°	4506	4540	4601
45°	4365	4385	4471
50°	4171	4218	4319
55°	3915	3987	4048
60°	3515	3601	3734
65°	3145	3152	3323
70°	2805	2728	2825
75°	2533	2383	2340
80°	2251	2099	1852
85°	1844	1749	1448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.0	3.6
10°-20°	916.0	10.3
20°-30°	1387.8	15.6
30°-40°	1658.4	18.6
40°-50°	1673.0	18.8
50°-60°	1419.4	15.9
60°-70°	939.1	10.5
70°-80°	466.0	5.2
80°-90°	123.3	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°	2622.8	29.5
0°-40°	4281.2	48.1
0°-60°	7373.5	82.8
0°-90°	8902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3363	3363	3363	3363	3363	
5°	3367	3355	3352	3351	3357	320
15°	3257	3246	3243	3243	3250	919
25°	3018	3011	3011	3010	3021	1390
35°	2647	2643	2648	2662	2668	1654
45°	2153	2150	2162	2192	2205	1656
55°	1566	1570	1595	1610	1619	1392
65°	927	925	929	958	979	925
75°	457	445	430	417	422	489
85°	112	112	106	98	88	133
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3363.1	3363.1	3363.1	3363.1	3363.1
2.5°	3374.7	3364.1	3361.2	3359.3	3367.0
5°	3367.0	3355.4	3352.5	3350.6	3357.3
7.5°	3351.5	3339.0	3337.0	3335.1	3343.8
10°	3326.4	3314.8	3312.9	3310.9	3318.7
12.5°	3296.4	3284.8	3281.0	3281.9	3286.8
15°	3256.8	3246.2	3243.3	3243.3	3250.0
17.5°	3207.5	3197.8	3195.9	3194.9	3203.6
20°	3152.4	3142.7	3142.7	3145.6	3150.5
22.5°	3089.6	3082.8	3078.9	3080.9	3090.5
25°	3018.0	3011.3	3011.3	3010.3	3020.9
27.5°	2938.8	2930.1	2930.1	2937.8	2941.7
30°	2849.8	2842.1	2846.0	2851.8	2855.6
32.5°	2754.1	2749.3	2752.2	2760.9	2776.4
35°	2646.8	2642.9	2647.8	2662.3	2668.1
37.5°	2534.7	2531.8	2538.5	2557.9	2574.3
40°	2407.1	2407.1	2425.4	2442.8	2458.3
42.5°	2274.6	2283.3	2296.9	2323.9	2337.5
45°	2152.8	2149.9	2162.5	2191.5	2205.0
47.5°	2017.5	2014.6	2033.0	2053.3	2075.5
50°	1869.6	1868.6	1890.9	1908.3	1936.3
52.5°	1725.6	1734.3	1748.8	1764.2	1780.7
55°	1566.0	1569.9	1595.0	1609.6	1619.2
57.5°	1394.0	1406.5	1437.5	1458.7	1467.4
60°	1225.8	1233.5	1255.7	1293.4	1302.1
62.5°	1073.0	1075.9	1089.5	1132.0	1143.6
65°	927.1	925.1	929.0	958.0	979.3
67.5°	794.6	786.9	786.9	802.4	828.5
70°	669.0	657.4	650.6	655.4	673.8
72.5°	563.6	548.1	530.7	527.8	539.4
75°	457.2	444.7	430.2	416.6	422.4
77.5°	364.4	353.8	340.3	324.8	317.1
80°	272.6	268.7	254.2	239.7	224.3
82.5°	190.4	187.5	177.9	166.3	156.6
85°	112.1	112.1	106.3	97.6	88.0
87.5°	50.3	48.3	50.3	42.5	39.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)