

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: P738670

Luminaire Tested: **24PT-80-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738670
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-L950
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

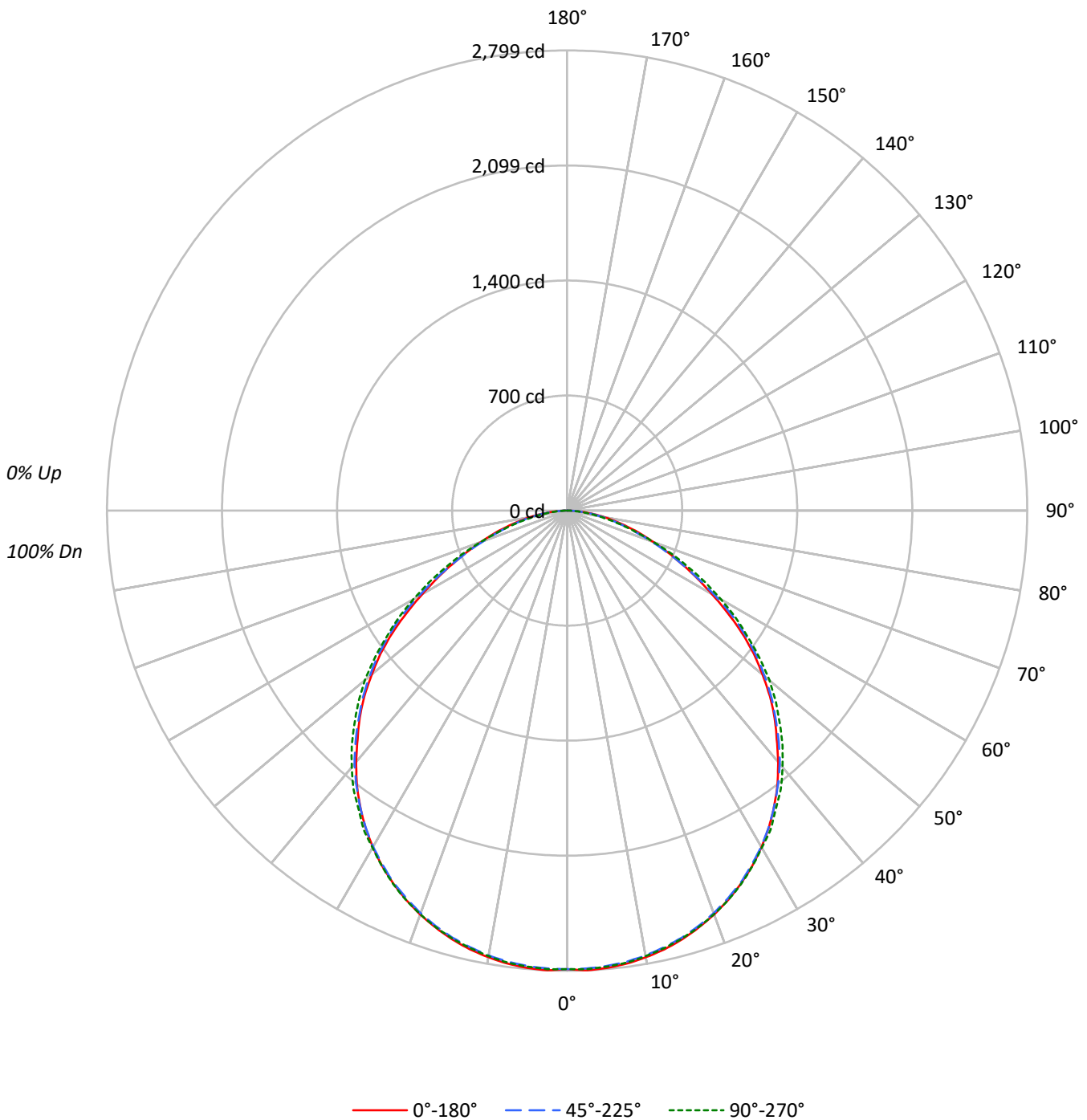
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7383.0 lumens
Efficiency: N/A
Efficacy: 108.1 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 (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	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°	3999	3999	3999
5°	4019	4002	4008
10°	4017	4000	4007
15°	4010	3993	4001
20°	3989	3977	3987
25°	3960	3951	3964
30°	3913	3908	3921
35°	3843	3844	3873
40°	3737	3765	3816
45°	3621	3637	3708
50°	3459	3498	3582
55°	3247	3307	3357
60°	2915	2987	3097
65°	2609	2614	2756
70°	2326	2262	2343
75°	2101	1977	1941
80°	1867	1741	1536
85°	1530	1451	1201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.6	3.6
10°-20°	759.7	10.3
20°-30°	1151.0	15.6
30°-40°	1375.4	18.6
40°-50°	1387.5	18.8
50°-60°	1177.2	15.9
60°-70°	778.9	10.5
70°-80°	386.5	5.2
80°-90°	102.3	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°	2175.2	29.5
0°-40°	3550.7	48.1
0°-60°	6115.4	82.8
0°-90°	7383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2789	2789	2789	2789	2789	
5°	2792	2783	2780	2779	2784	265
15°	2701	2692	2690	2690	2696	762
25°	2503	2497	2497	2497	2505	1153
35°	2195	2192	2196	2208	2213	1372
45°	1786	1783	1794	1818	1829	1374
55°	1299	1302	1323	1335	1343	1155
65°	769	767	770	794	812	767
75°	379	369	357	346	350	406
85°	93	93	88	81	73	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2789.3	2789.3	2789.3	2789.3	2789.3
2.5°	2798.9	2790.1	2787.7	2786.1	2792.5
5°	2792.5	2782.9	2780.4	2778.8	2784.5
7.5°	2779.6	2769.2	2767.6	2766.0	2773.2
10°	2758.8	2749.2	2747.6	2746.0	2752.4
12.5°	2733.9	2724.3	2721.1	2721.9	2725.9
15°	2701.1	2692.3	2689.9	2689.9	2695.5
17.5°	2660.2	2652.2	2650.6	2649.8	2657.0
20°	2614.5	2606.5	2606.5	2608.9	2612.9
22.5°	2562.4	2556.8	2553.6	2555.2	2563.2
25°	2503.0	2497.4	2497.4	2496.6	2505.4
27.5°	2437.3	2430.1	2430.1	2436.5	2439.7
30°	2363.5	2357.1	2360.3	2365.1	2368.4
32.5°	2284.2	2280.2	2282.6	2289.8	2302.6
35°	2195.2	2192.0	2196.0	2208.0	2212.8
37.5°	2102.2	2099.8	2105.4	2121.4	2135.0
40°	1996.3	1996.3	2011.6	2026.0	2038.8
42.5°	1886.5	1893.7	1904.9	1927.4	1938.6
45°	1785.5	1783.1	1793.5	1817.6	1828.8
47.5°	1673.2	1670.8	1686.1	1702.9	1721.3
50°	1550.6	1549.8	1568.2	1582.6	1605.9
52.5°	1431.1	1438.3	1450.4	1463.2	1476.8
55°	1298.8	1302.0	1322.9	1334.9	1342.9
57.5°	1156.1	1166.5	1192.2	1209.8	1217.0
60°	1016.6	1023.0	1041.5	1072.7	1079.9
62.5°	889.9	892.3	903.6	938.8	948.5
65°	768.9	767.3	770.5	794.5	812.2
67.5°	659.0	652.6	652.6	665.4	687.1
70°	554.8	545.2	539.6	543.6	558.8
72.5°	467.4	454.6	440.2	437.8	447.4
75°	379.2	368.8	356.8	345.6	350.4
77.5°	302.3	293.4	282.2	269.4	263.0
80°	226.1	222.9	210.9	198.8	186.0
82.5°	157.9	155.5	147.5	137.9	129.9
85°	93.0	93.0	88.2	81.0	73.0
87.5°	41.7	40.1	41.7	35.3	32.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)