

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: P738676

Luminaire Tested: **24PT-80-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738676
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-80-PR1-L935
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

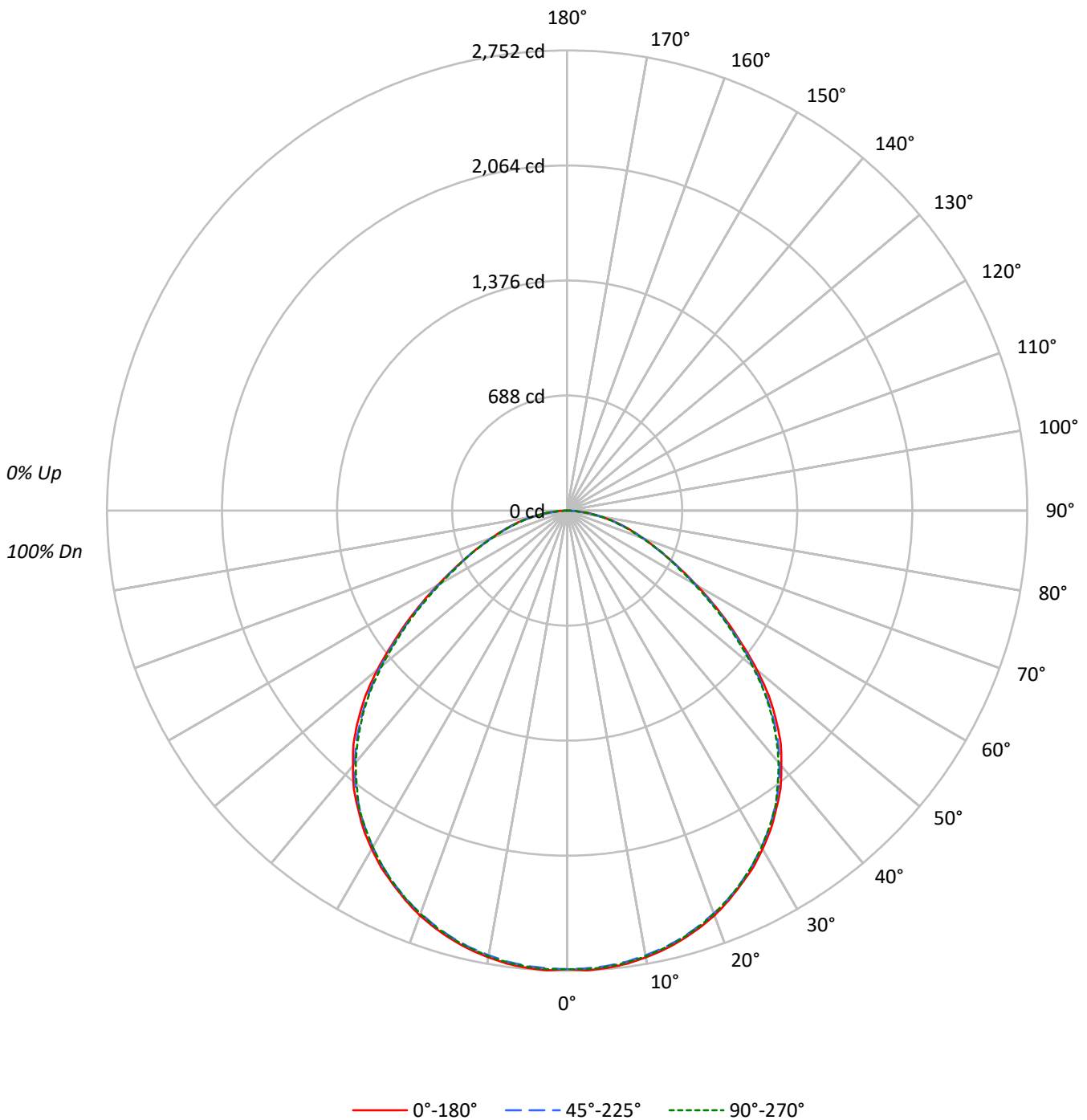
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6986.0 lumens
Efficiency: N/A
Efficacy: 102.3 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): 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	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°	3933	3933	3933
5°	3952	3935	3942
10°	3950	3931	3940
15°	3945	3928	3934
20°	3932	3912	3916
25°	3900	3888	3890
30°	3870	3848	3848
35°	3816	3794	3798
40°	3730	3698	3683
45°	3581	3523	3505
50°	3305	3258	3227
55°	2942	2900	2881
60°	2565	2537	2510
65°	2247	2250	2237
70°	2023	2016	1987
75°	1884	1829	1833
80°	1682	1651	1651
85°	1298	1336	1285



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.2	3.7
10°-20°	747.2	10.7
20°-30°	1132.8	16.2
30°-40°	1354.9	19.4
40°-50°	1337.8	19.1
50°-60°	1041.2	14.9
60°-70°	661.0	9.5
70°-80°	354.7	5.1
80°-90°	96.2	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°	2140.2	30.6
0°-40°	3495.1	50.0
0°-60°	5874.1	84.1
0°-90°	6986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6986.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2743	2743	2743	2743	2743	
5°	2745	2737	2734	2732	2738	261
15°	2657	2648	2646	2643	2650	750
25°	2465	2460	2458	2453	2459	1137
35°	2180	2176	2167	2160	2170	1363
45°	1766	1754	1738	1729	1728	1356
55°	1177	1171	1160	1152	1152	1054
65°	662	665	663	655	659	665
75°	340	335	330	329	331	359
85°	79	80	81	81	78	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2743.1	2743.1	2743.1	2743.1	2743.1
2.5°	2752.3	2743.1	2740.0	2738.5	2745.4
5°	2745.4	2737.0	2733.9	2732.4	2738.5
7.5°	2733.9	2724.0	2720.9	2719.4	2726.3
10°	2713.2	2704.1	2700.2	2700.2	2706.4
12.5°	2688.7	2681.1	2677.3	2674.2	2681.1
15°	2657.3	2648.2	2645.9	2642.8	2650.4
17.5°	2619.8	2610.6	2607.6	2606.0	2611.4
20°	2576.9	2565.4	2563.9	2563.1	2566.2
22.5°	2524.1	2518.0	2514.9	2513.4	2515.7
25°	2465.1	2460.5	2457.5	2452.9	2459.0
27.5°	2407.7	2401.6	2393.9	2390.1	2393.9
30°	2337.2	2329.6	2324.2	2322.7	2324.2
32.5°	2264.5	2256.8	2249.9	2249.2	2248.4
35°	2180.2	2175.7	2167.2	2160.3	2169.5
37.5°	2096.8	2086.1	2078.4	2070.0	2067.7
40°	1992.6	1988.8	1975.8	1968.1	1967.4
42.5°	1891.5	1873.9	1864.7	1859.4	1850.9
45°	1765.9	1753.7	1737.6	1729.2	1728.4
47.5°	1635.0	1619.7	1604.4	1592.9	1595.9
50°	1481.8	1474.9	1460.4	1450.4	1446.6
52.5°	1324.1	1322.5	1307.2	1301.1	1294.2
55°	1177.0	1170.9	1160.2	1152.5	1152.5
57.5°	1032.3	1026.9	1021.6	1007.0	1007.0
60°	894.5	893.7	884.5	876.1	875.3
62.5°	771.2	775.8	767.3	758.9	754.3
65°	662.4	664.7	663.2	654.8	659.4
67.5°	566.7	567.5	564.4	559.8	562.9
70°	482.5	486.3	480.9	477.9	474.0
72.5°	408.9	407.4	402.8	405.1	399.7
75°	340.0	334.7	330.1	329.3	330.8
77.5°	271.1	269.6	265.7	265.7	263.4
80°	203.7	202.2	199.9	200.6	199.9
82.5°	144.7	140.9	137.8	139.4	140.1
85°	78.9	80.4	81.2	81.2	78.1
87.5°	32.2	31.4	32.2	33.7	34.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)