

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: P738660

Luminaire Tested: **24PT-80-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PC3-L935
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

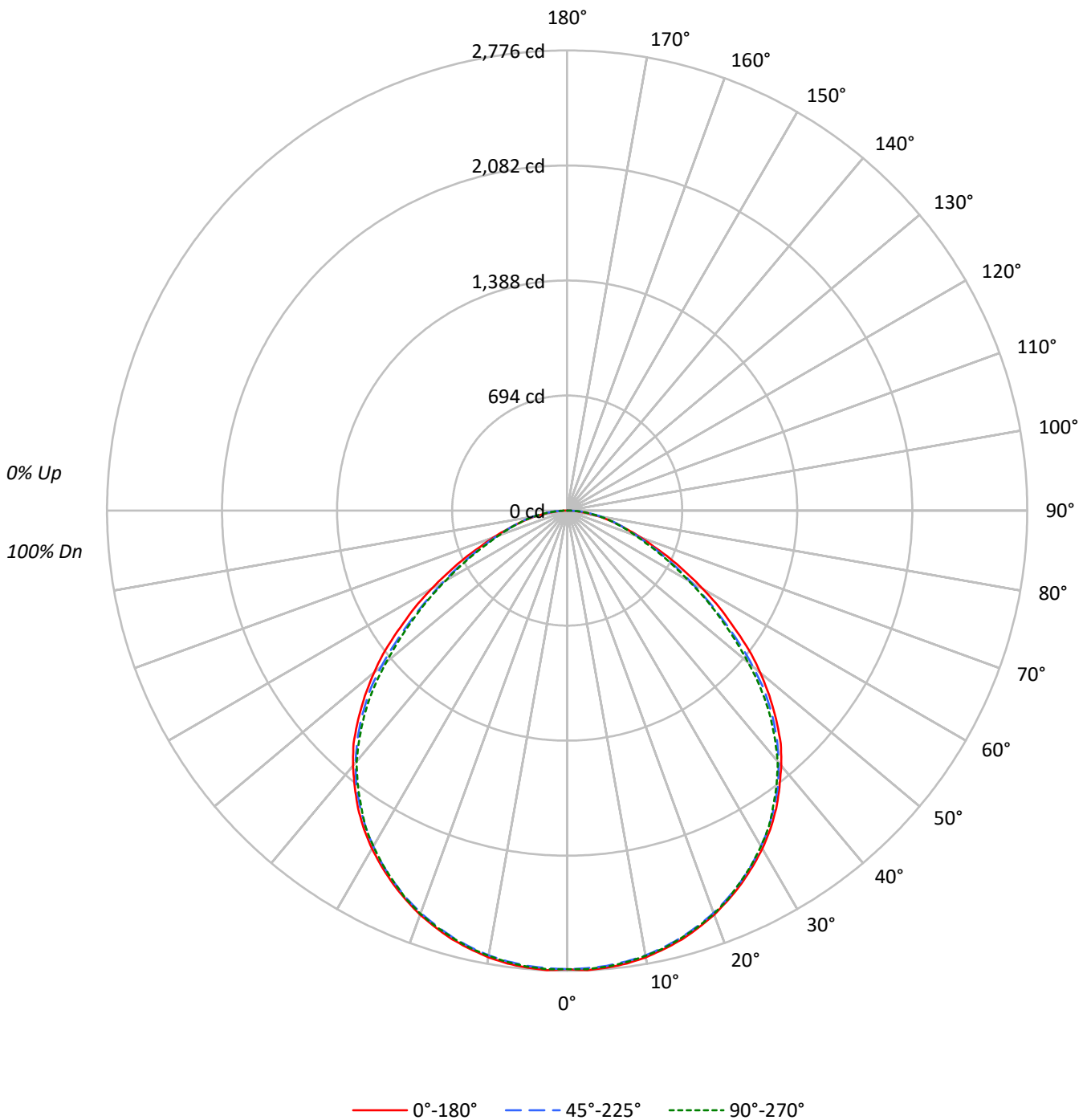
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6978.0 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3967	3967	3967
5°	3984	3967	3975
10°	3984	3966	3972
15°	3975	3957	3961
20°	3959	3940	3949
25°	3932	3913	3911
30°	3898	3873	3871
35°	3846	3815	3798
40°	3760	3715	3698
45°	3614	3547	3497
50°	3394	3263	3177
55°	3068	2860	2806
60°	2713	2475	2427
65°	2320	2145	2090
70°	1966	1882	1827
75°	1723	1753	1694
80°	1545	1703	1609
85°	1305	1558	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	3.8
10°-20°	752.9	10.8
20°-30°	1140.5	16.3
30°-40°	1362.2	19.5
40°-50°	1343.8	19.3
50°-60°	1040.3	14.9
60°-70°	639.4	9.2
70°-80°	335.0	4.8
80°-90°	101.6	1.5
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°	2155.7	30.9
0°-40°	3517.9	50.4
0°-60°	5902.0	84.6
0°-90°	6978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2766	2766	2766	2766	2766	
5°	2768	2759	2756	2755	2762	263
15°	2678	2669	2666	2663	2669	756
25°	2485	2478	2473	2472	2472	1145
35°	2197	2187	2180	2173	2170	1372
45°	1782	1769	1749	1731	1725	1371
55°	1227	1194	1144	1127	1123	1101
65°	684	652	632	614	616	682
75°	311	314	316	310	306	335
85°	79	88	95	92	90	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2766.4	2766.4	2766.4	2766.4	2766.4
2.5°	2775.6	2767.1	2763.3	2762.5	2768.7
5°	2767.9	2759.4	2756.4	2754.8	2761.7
7.5°	2755.6	2746.3	2743.3	2741.0	2747.1
10°	2736.3	2727.1	2724.0	2722.5	2727.9
12.5°	2708.6	2700.2	2697.8	2695.5	2702.5
15°	2677.8	2669.4	2665.5	2663.2	2668.6
17.5°	2637.8	2630.9	2626.2	2626.2	2630.9
20°	2594.7	2586.2	2582.4	2580.0	2587.7
22.5°	2541.5	2536.2	2531.5	2527.7	2536.2
25°	2485.3	2477.6	2473.0	2471.5	2472.3
27.5°	2421.4	2416.0	2409.9	2407.6	2409.1
30°	2354.5	2347.5	2339.1	2334.4	2338.3
32.5°	2279.8	2269.8	2262.8	2258.2	2263.6
35°	2197.4	2187.4	2179.7	2172.7	2169.7
37.5°	2103.5	2100.4	2089.6	2077.3	2076.5
40°	2008.8	2000.3	1984.9	1979.5	1975.6
42.5°	1907.1	1889.4	1873.2	1857.8	1852.5
45°	1782.4	1769.3	1749.3	1730.8	1724.6
47.5°	1654.6	1637.6	1618.4	1586.1	1582.2
50°	1521.4	1496.7	1462.9	1435.9	1424.4
52.5°	1382.8	1349.7	1302.7	1279.6	1273.5
55°	1227.3	1194.2	1144.1	1127.2	1122.6
57.5°	1088.7	1040.2	999.4	980.1	986.3
60°	946.2	899.3	863.1	844.6	846.2
62.5°	806.9	769.9	743.0	725.3	727.6
65°	683.7	652.1	632.1	613.6	615.9
67.5°	562.8	548.2	533.6	522.8	516.6
70°	468.9	462.7	448.9	438.9	435.8
72.5°	383.4	387.3	375.7	372.6	371.9
75°	311.1	314.1	316.4	310.3	305.7
77.5°	248.7	253.3	262.5	254.1	252.5
80°	187.1	196.3	206.3	201.0	194.8
82.5°	130.9	142.4	151.7	144.7	141.7
85°	79.3	88.5	94.7	92.4	90.1
87.5°	35.4	38.5	41.6	42.3	40.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)