

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: P738700

Luminaire Tested: **24PT-90-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738700
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-90-PL1-L935
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

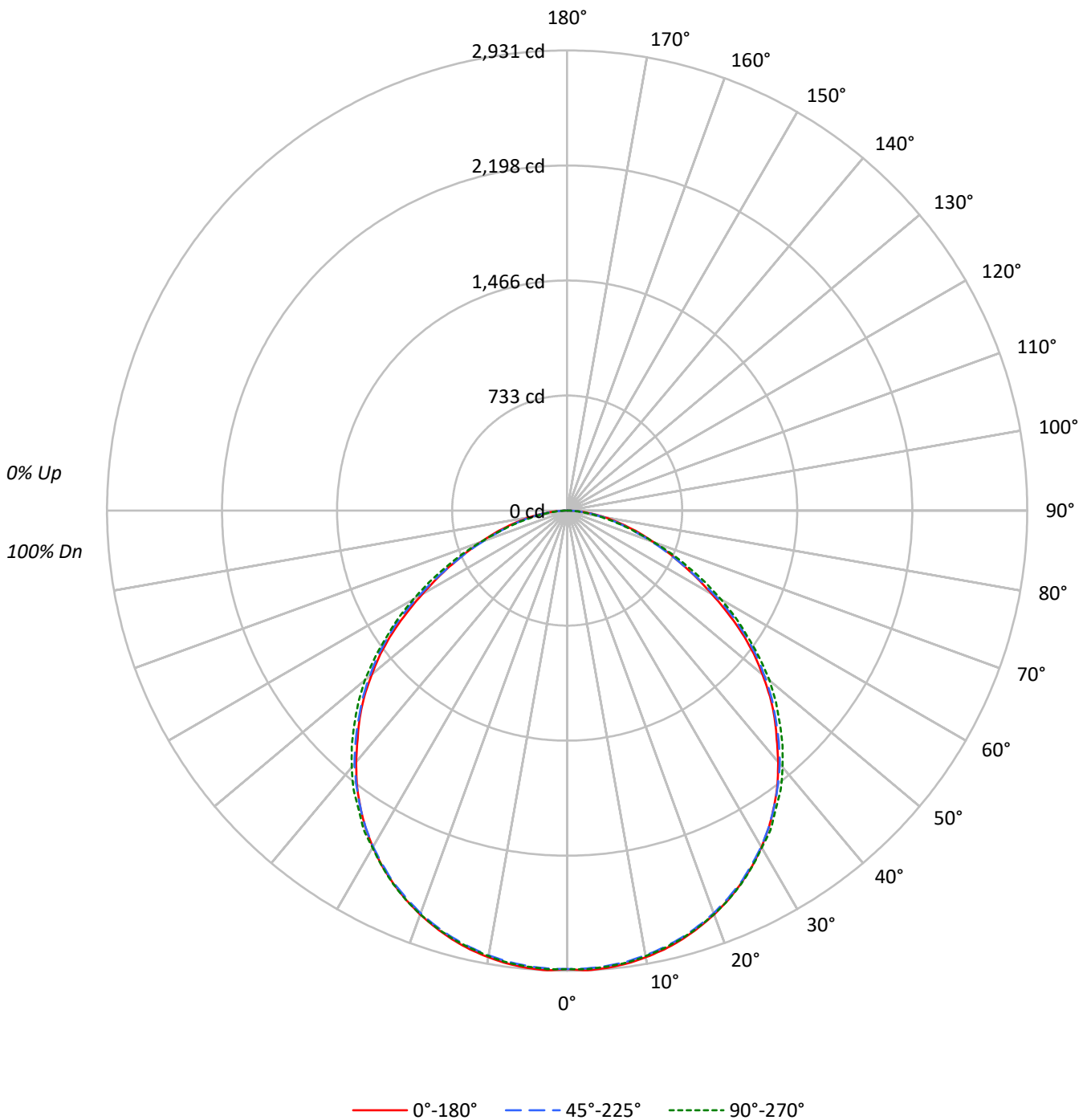
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7731.0 lumens
Efficiency: N/A
Efficacy: 102.1 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): 75.7
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°	4188	4188	4188
5°	4209	4191	4197
10°	4206	4189	4196
15°	4199	4181	4190
20°	4177	4165	4175
25°	4147	4137	4151
30°	4098	4092	4106
35°	4024	4025	4056
40°	3913	3943	3996
45°	3791	3808	3883
50°	3622	3663	3751
55°	3400	3463	3515
60°	3053	3128	3243
65°	2732	2737	2885
70°	2436	2369	2453
75°	2200	2070	2033
80°	1954	1823	1609
85°	1602	1518	1257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	3.6
10°-20°	795.5	10.3
20°-30°	1205.2	15.6
30°-40°	1440.3	18.6
40°-50°	1452.9	18.8
50°-60°	1232.7	15.9
60°-70°	815.6	10.5
70°-80°	404.7	5.2
80°-90°	107.1	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°	2277.8	29.5
0°-40°	3718.0	48.1
0°-60°	6403.6	82.8
0°-90°	7731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2921	2921	2921	2921	2921	
5°	2924	2914	2912	2910	2916	278
15°	2828	2819	2817	2817	2822	798
25°	2621	2615	2615	2614	2624	1207
35°	2299	2295	2300	2312	2317	1436
45°	1870	1867	1878	1903	1915	1438
55°	1360	1363	1385	1398	1406	1209
65°	805	803	807	832	850	803
75°	397	386	374	362	367	425
85°	97	97	92	85	76	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2920.7	2920.7	2920.7	2920.7	2920.7
2.5°	2930.8	2921.6	2919.1	2917.4	2924.1
5°	2924.1	2914.0	2911.5	2909.8	2915.7
7.5°	2910.7	2899.8	2898.1	2896.4	2903.9
10°	2888.8	2878.8	2877.1	2875.4	2882.1
12.5°	2862.8	2852.7	2849.4	2850.2	2854.4
15°	2828.4	2819.2	2816.6	2816.6	2822.5
17.5°	2785.6	2777.2	2775.5	2774.7	2782.2
20°	2737.7	2729.3	2729.3	2731.8	2736.0
22.5°	2683.2	2677.3	2673.9	2675.6	2684.0
25°	2621.0	2615.1	2615.1	2614.3	2623.5
27.5°	2552.2	2544.6	2544.6	2551.3	2554.7
30°	2474.9	2468.2	2471.6	2476.6	2480.0
32.5°	2391.8	2387.6	2390.2	2397.7	2411.1
35°	2298.6	2295.3	2299.5	2312.1	2317.1
37.5°	2201.3	2198.7	2204.6	2221.4	2235.7
40°	2090.4	2090.4	2106.4	2121.5	2134.9
42.5°	1975.4	1983.0	1994.7	2018.2	2030.0
45°	1869.6	1867.1	1878.0	1903.2	1915.0
47.5°	1752.1	1749.6	1765.5	1783.2	1802.5
50°	1623.7	1622.8	1642.1	1657.2	1681.6
52.5°	1498.6	1506.1	1518.7	1532.2	1546.4
55°	1360.0	1363.4	1385.2	1397.8	1406.2
57.5°	1210.6	1221.5	1248.4	1266.9	1274.4
60°	1064.5	1071.2	1090.6	1123.3	1130.9
62.5°	931.9	934.4	946.2	983.1	993.2
65°	805.1	803.4	806.8	832.0	850.4
67.5°	690.1	683.4	683.4	696.8	719.5
70°	581.0	570.9	565.0	569.2	585.2
72.5°	489.4	476.0	460.9	458.4	468.5
75°	397.1	386.2	373.6	361.8	366.9
77.5°	316.5	307.3	295.5	282.1	275.4
80°	236.7	233.4	220.8	208.2	194.8
82.5°	165.4	162.9	154.5	144.4	136.0
85°	97.4	97.4	92.3	84.8	76.4
87.5°	43.7	42.0	43.7	36.9	34.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)