

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: P738699

Luminaire Tested: **24PT-90-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738699
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-L930
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

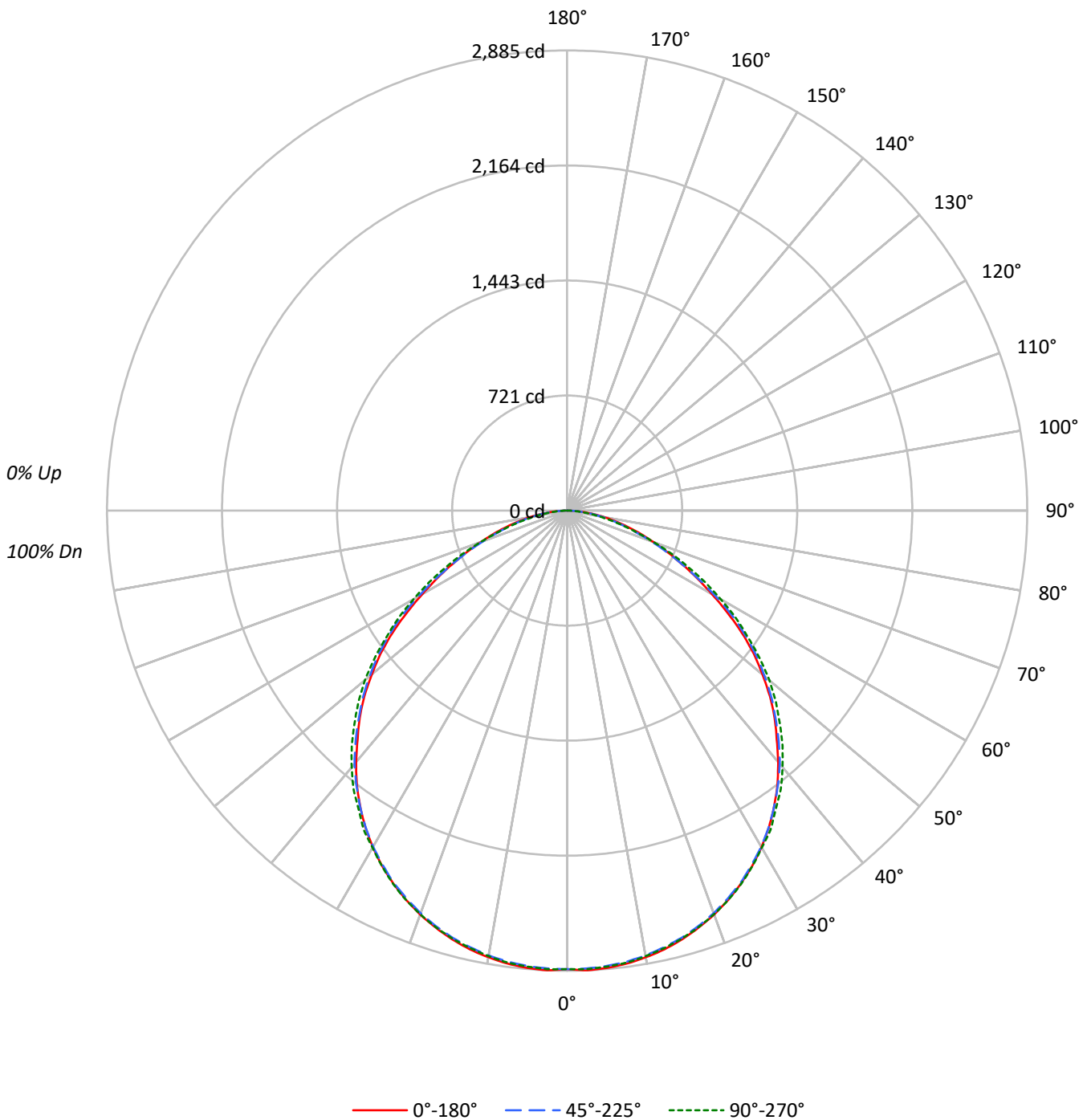
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7610.0 lumens
Efficiency: N/A
Efficacy: 100.5 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°	4122	4122	4122
5°	4143	4125	4131
10°	4140	4123	4131
15°	4133	4116	4124
20°	4112	4099	4110
25°	4082	4073	4086
30°	4034	4028	4042
35°	3961	3962	3992
40°	3852	3881	3934
45°	3732	3749	3822
50°	3565	3606	3692
55°	3347	3409	3460
60°	3005	3078	3192
65°	2689	2695	2840
70°	2398	2332	2415
75°	2166	2037	2000
80°	1924	1794	1583
85°	1578	1495	1237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	3.6
10°-20°	783.1	10.3
20°-30°	1186.4	15.6
30°-40°	1417.7	18.6
40°-50°	1430.2	18.8
50°-60°	1213.4	15.9
60°-70°	802.8	10.5
70°-80°	398.4	5.2
80°-90°	105.4	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°	2242.1	29.5
0°-40°	3659.9	48.1
0°-60°	6303.4	82.8
0°-90°	7610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2875	2875	2875	2875	2875	
5°	2878	2868	2866	2864	2870	274
15°	2784	2775	2773	2773	2778	785
25°	2580	2574	2574	2573	2582	1188
35°	2263	2259	2264	2276	2281	1414
45°	1840	1838	1849	1873	1885	1416
55°	1339	1342	1364	1376	1384	1190
65°	792	791	794	819	837	791
75°	391	380	368	356	361	418
85°	96	96	91	84	75	114
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2875.0	2875.0	2875.0	2875.0	2875.0
2.5°	2884.9	2875.9	2873.4	2871.7	2878.3
5°	2878.3	2868.4	2865.9	2864.3	2870.1
7.5°	2865.1	2854.4	2852.7	2851.1	2858.5
10°	2843.6	2833.7	2832.1	2830.4	2837.0
12.5°	2818.0	2808.1	2804.8	2805.6	2809.7
15°	2784.1	2775.0	2772.6	2772.6	2778.3
17.5°	2742.0	2733.7	2732.1	2731.2	2738.7
20°	2694.9	2686.6	2686.6	2689.1	2693.2
22.5°	2641.2	2635.4	2632.1	2633.7	2642.0
25°	2580.0	2574.2	2574.2	2573.4	2582.5
27.5°	2512.2	2504.8	2504.8	2511.4	2514.7
30°	2436.2	2429.6	2432.9	2437.9	2441.2
32.5°	2354.4	2350.3	2352.7	2360.2	2373.4
35°	2262.7	2259.4	2263.5	2275.9	2280.8
37.5°	2166.8	2164.3	2170.1	2186.6	2200.7
40°	2057.7	2057.7	2073.4	2088.3	2101.5
42.5°	1944.5	1951.9	1963.5	1986.7	1998.2
45°	1840.4	1837.9	1848.6	1873.4	1885.0
47.5°	1724.7	1722.2	1737.9	1755.3	1774.3
50°	1598.2	1597.4	1616.4	1631.3	1655.3
52.5°	1475.1	1482.6	1494.9	1508.2	1522.2
55°	1338.8	1342.1	1363.6	1375.9	1384.2
57.5°	1191.7	1202.4	1228.8	1247.0	1254.5
60°	1047.9	1054.5	1073.5	1105.7	1113.2
62.5°	917.3	919.8	931.3	967.7	977.6
65°	792.5	790.9	794.2	819.0	837.1
67.5°	679.3	672.7	672.7	685.9	708.2
70°	571.9	561.9	556.2	560.3	576.0
72.5°	481.8	468.6	453.7	451.2	461.1
75°	390.9	380.1	367.7	356.2	361.1
77.5°	311.6	302.5	290.9	277.7	271.1
80°	233.0	229.7	217.3	204.9	191.7
82.5°	162.8	160.3	152.1	142.1	133.9
85°	95.9	95.9	90.9	83.5	75.2
87.5°	43.0	41.3	43.0	36.4	33.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)