

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: P738678

Luminaire Tested: **24PT-80-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738678
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-L950
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

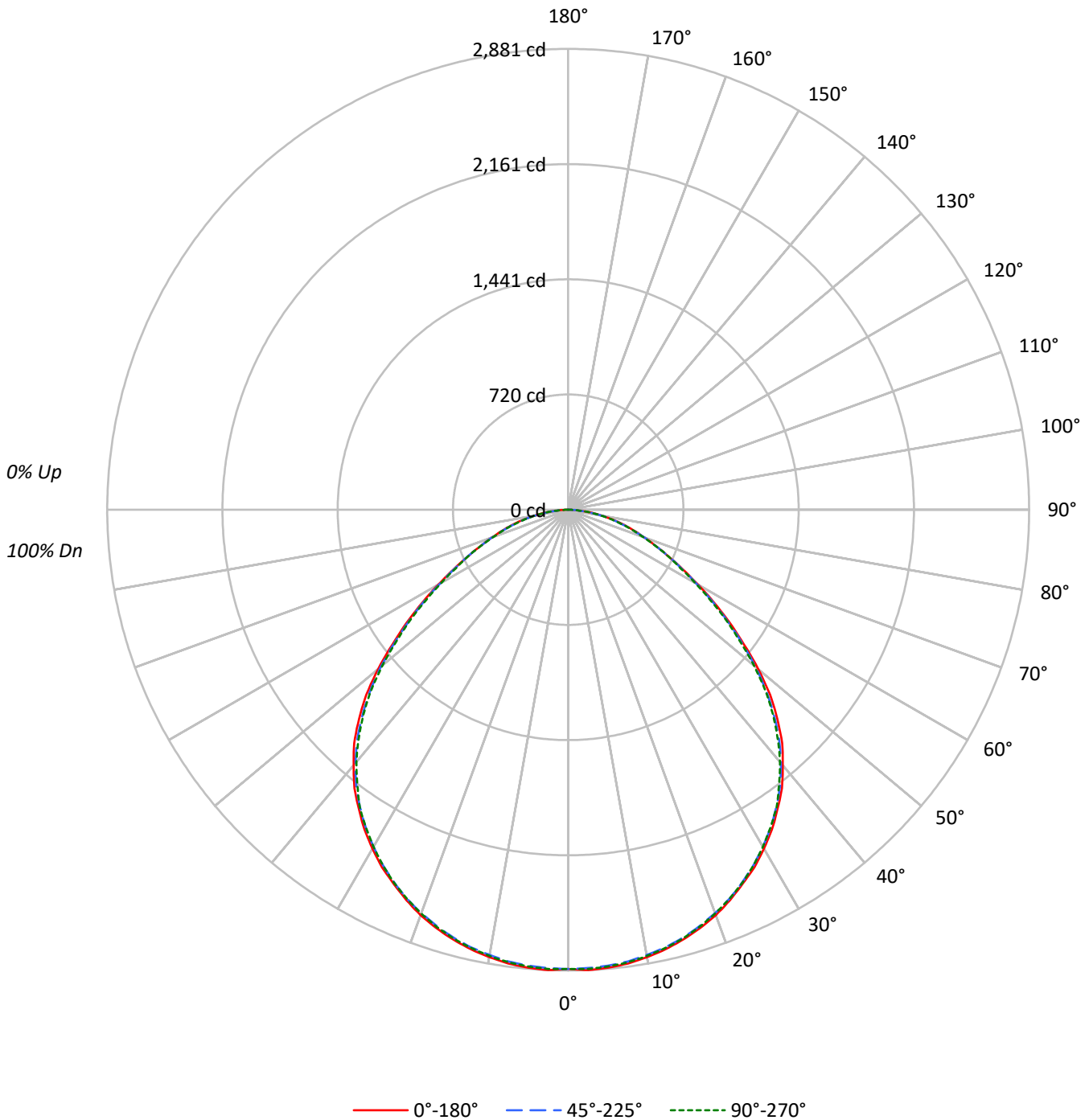
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7313.0 lumens
Efficiency: N/A
Efficacy: 107.1 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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	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		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4117	4117	4117
5°	4137	4119	4126
10°	4135	4115	4125
15°	4129	4111	4119
20°	4116	4095	4099
25°	4083	4070	4072
30°	4051	4028	4028
35°	3995	3971	3975
40°	3904	3871	3855
45°	3749	3688	3669
50°	3460	3410	3378
55°	3080	3036	3016
60°	2685	2655	2628
65°	2353	2355	2342
70°	2117	2110	2080
75°	1972	1914	1919
80°	1760	1727	1727
85°	1359	1398	1346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	3.7
10°-20°	782.2	10.7
20°-30°	1185.9	16.2
30°-40°	1418.3	19.4
40°-50°	1400.4	19.1
50°-60°	1090.0	14.9
60°-70°	691.9	9.5
70°-80°	371.3	5.1
80°-90°	100.7	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°	2240.4	30.6
0°-40°	3658.7	50.0
0°-60°	6149.0	84.1
0°-90°	7313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7313.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2872	2872	2872	2872	2872	
5°	2874	2865	2862	2860	2867	273
15°	2782	2772	2770	2766	2774	785
25°	2580	2576	2572	2568	2574	1190
35°	2282	2278	2269	2262	2271	1427
45°	1849	1836	1819	1810	1809	1419
55°	1232	1226	1214	1206	1206	1103
65°	693	696	694	685	690	696
75°	356	350	346	345	346	376
85°	83	84	85	85	82	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2871.5	2871.5	2871.5	2871.5	2871.5
2.5°	2881.1	2871.5	2868.3	2866.7	2873.9
5°	2873.9	2865.1	2861.9	2860.3	2866.7
7.5°	2861.9	2851.5	2848.3	2846.7	2853.9
10°	2840.2	2830.6	2826.6	2826.6	2833.0
12.5°	2814.6	2806.6	2802.6	2799.4	2806.6
15°	2781.7	2772.1	2769.7	2766.5	2774.5
17.5°	2742.4	2732.8	2729.6	2728.0	2733.6
20°	2697.6	2685.5	2683.9	2683.1	2686.3
22.5°	2642.2	2635.8	2632.6	2631.0	2633.4
25°	2580.5	2575.7	2572.5	2567.7	2574.1
27.5°	2520.4	2514.0	2506.0	2501.9	2506.0
30°	2446.6	2438.6	2433.0	2431.4	2433.0
32.5°	2370.5	2362.5	2355.2	2354.4	2353.6
35°	2282.3	2277.5	2268.7	2261.5	2271.1
37.5°	2194.9	2183.7	2175.7	2166.9	2164.5
40°	2085.9	2081.9	2068.3	2060.2	2059.4
42.5°	1980.1	1961.6	1952.0	1946.4	1937.6
45°	1848.6	1835.8	1818.9	1810.1	1809.3
47.5°	1711.5	1695.5	1679.5	1667.4	1670.6
50°	1551.2	1544.0	1528.7	1518.3	1514.3
52.5°	1386.1	1384.4	1368.4	1362.0	1354.8
55°	1232.1	1225.7	1214.5	1206.5	1206.5
57.5°	1080.6	1075.0	1069.4	1054.2	1054.2
60°	936.3	935.5	925.9	917.1	916.3
62.5°	807.3	812.1	803.3	794.4	789.6
65°	693.4	695.8	694.2	685.4	690.2
67.5°	593.2	594.0	590.8	586.0	589.2
70°	505.0	509.0	503.4	500.2	496.2
72.5°	428.1	426.5	421.7	424.1	418.5
75°	355.9	350.3	345.5	344.7	346.3
77.5°	283.8	282.2	278.2	278.2	275.8
80°	213.2	211.6	209.2	210.0	209.2
82.5°	151.5	147.5	144.3	145.9	146.7
85°	82.6	84.2	85.0	85.0	81.8
87.5°	33.7	32.9	33.7	35.3	36.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)