

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: P738716

Luminaire Tested: **24PT-90-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PW1-L935
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

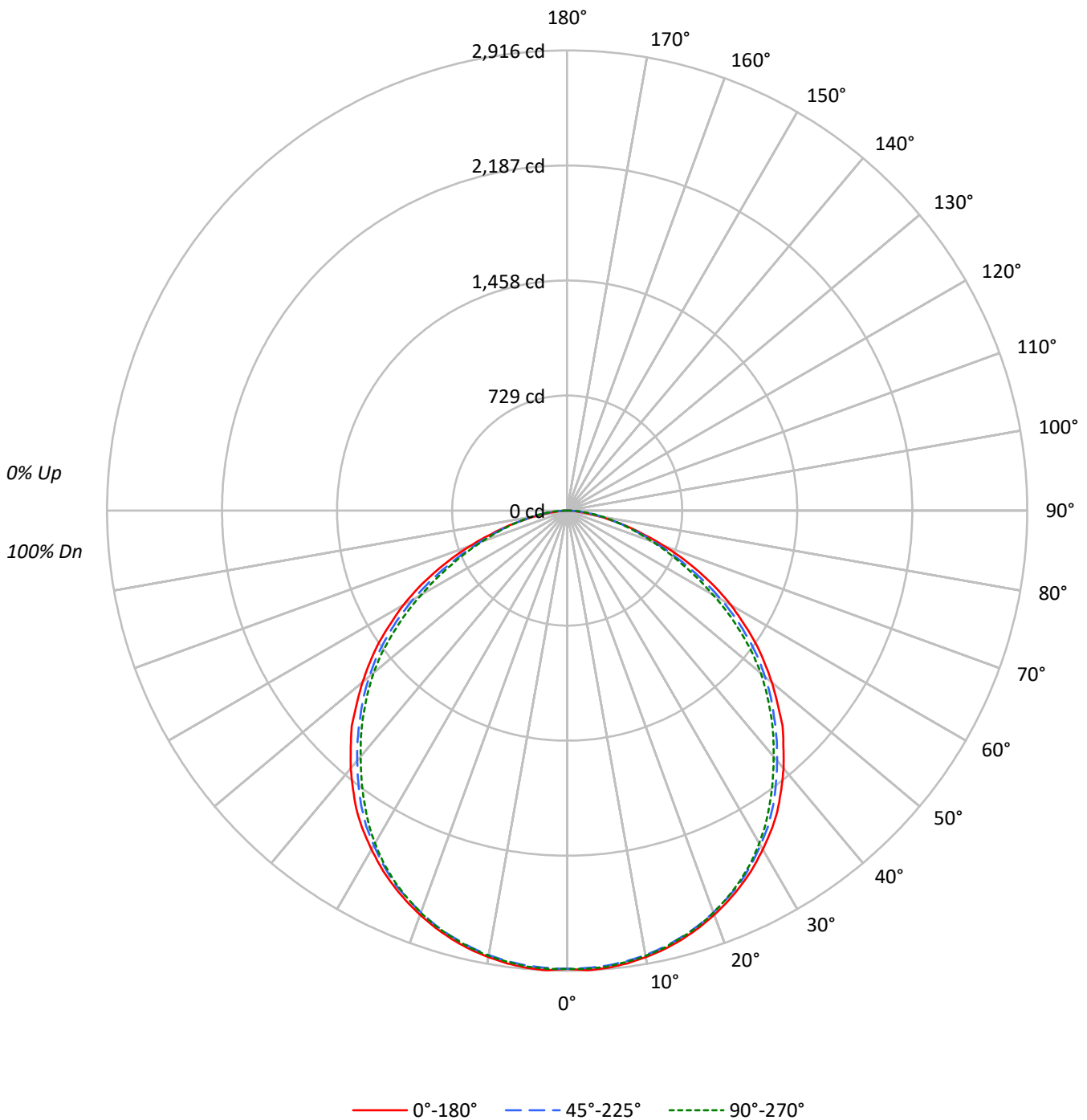
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7743.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4164	4164	4164
5°	4187	4166	4175
10°	4184	4165	4172
15°	4176	4154	4159
20°	4159	4135	4138
25°	4137	4113	4097
30°	4105	4057	4032
35°	4068	3985	3930
40°	3993	3875	3811
45°	3914	3762	3701
50°	3775	3648	3571
55°	3637	3482	3356
60°	3438	3226	3060
65°	3148	2874	2726
70°	2728	2492	2401
75°	2233	2149	2121
80°	1629	1837	1893
85°	1091	1533	1630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.4	3.6
10°-20°	790.7	10.2
20°-30°	1196.6	15.5
30°-40°	1423.8	18.4
40°-50°	1438.2	18.6
50°-60°	1244.5	16.1
60°-70°	850.1	11.0
70°-80°	419.0	5.4
80°-90°	104.7	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°	2262.7	29.2
0°-40°	3686.5	47.6
0°-60°	6369.2	82.3
0°-90°	7743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7743.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2904	2904	2904	2904	2904	
5°	2909	2898	2895	2892	2901	276
15°	2813	2804	2798	2796	2802	794
25°	2615	2605	2600	2590	2590	1205
35°	2324	2304	2277	2252	2245	1451
45°	1930	1897	1855	1834	1825	1482
55°	1455	1435	1393	1363	1342	1296
65°	928	892	847	819	803	916
75°	403	391	388	385	383	431
85°	66	82	93	96	99	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2903.9	2903.9	2903.9	2903.9	2903.9
2.5°	2915.7	2904.8	2901.4	2898.9	2906.4
5°	2909.0	2898.0	2894.7	2892.2	2900.6
7.5°	2894.7	2883.8	2880.4	2877.9	2884.6
10°	2873.7	2863.6	2860.3	2857.8	2865.3
12.5°	2846.8	2837.6	2833.4	2830.0	2838.4
15°	2813.3	2804.0	2798.1	2796.5	2801.5
17.5°	2773.0	2763.7	2759.5	2757.0	2762.9
20°	2725.9	2715.9	2710.0	2706.6	2711.7
22.5°	2673.9	2663.8	2656.3	2652.9	2654.6
25°	2615.1	2605.1	2600.0	2589.9	2589.9
27.5°	2552.2	2540.4	2527.8	2516.9	2517.7
30°	2479.1	2465.7	2450.6	2436.3	2435.5
32.5°	2405.2	2388.5	2370.0	2350.7	2344.8
35°	2323.8	2304.5	2276.8	2251.6	2244.9
37.5°	2228.1	2210.5	2173.5	2152.5	2141.6
40°	2133.2	2108.1	2070.3	2045.9	2035.9
42.5°	2029.1	2004.8	1964.5	1941.8	1933.4
45°	1930.1	1897.3	1855.4	1834.4	1825.1
47.5°	1806.7	1779.8	1750.4	1726.1	1714.3
50°	1692.5	1670.7	1635.4	1608.5	1601.0
52.5°	1573.3	1554.8	1521.2	1486.0	1477.6
55°	1454.9	1434.8	1392.8	1363.4	1342.4
57.5°	1321.4	1303.8	1264.3	1226.5	1208.1
60°	1198.8	1168.6	1125.0	1083.8	1067.0
62.5°	1065.4	1036.0	985.6	943.6	934.4
65°	927.7	892.4	847.1	819.4	803.4
67.5°	788.3	753.9	716.1	698.5	688.4
70°	650.6	622.9	594.4	581.8	572.6
72.5°	518.0	502.0	486.1	481.0	472.7
75°	403.0	391.2	387.9	385.3	382.8
77.5°	290.5	296.4	299.7	303.1	299.7
80°	197.3	209.9	222.5	229.2	229.2
82.5°	121.7	143.6	154.5	161.2	160.3
85°	66.3	82.3	93.2	96.5	99.1
87.5°	26.9	33.6	37.8	41.1	42.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)