

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: P738650

Luminaire Tested: **24PT-72-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738650
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-72-PW1-L850
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

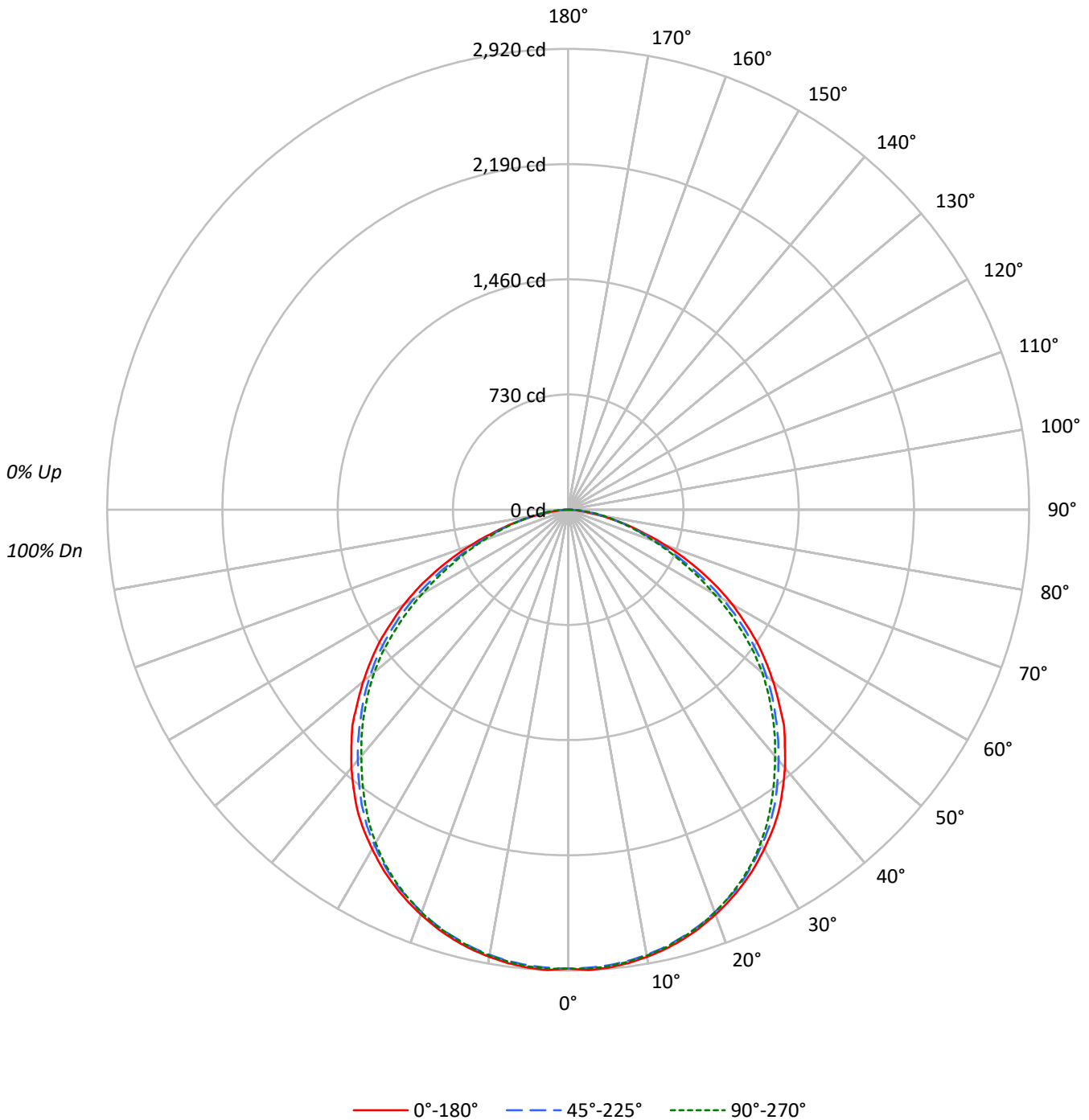
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7754.0 lumens
Efficiency: N/A
Efficacy: 129.0 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): 60.1
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°	4170	4170	4170
5°	4193	4172	4181
10°	4190	4170	4178
15°	4182	4160	4165
20°	4165	4141	4144
25°	4143	4119	4103
30°	4110	4063	4038
35°	4073	3991	3935
40°	3999	3881	3816
45°	3919	3768	3706
50°	3781	3653	3576
55°	3642	3487	3361
60°	3443	3231	3064
65°	3152	2878	2730
70°	2732	2495	2404
75°	2235	2152	2124
80°	1632	1840	1895
85°	1092	1535	1632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.8	3.6
10°-20°	791.8	10.2
20°-30°	1198.3	15.5
30°-40°	1425.9	18.4
40°-50°	1440.3	18.6
50°-60°	1246.2	16.1
60°-70°	851.3	11.0
70°-80°	419.5	5.4
80°-90°	104.8	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°	2265.9	29.2
0°-40°	3691.8	47.6
0°-60°	6378.3	82.3
0°-90°	7754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2908	2908	2908	2908	2908	
5°	2913	2902	2899	2896	2905	277
15°	2817	2808	2802	2800	2806	795
25°	2619	2609	2604	2594	2594	1207
35°	2327	2308	2280	2255	2248	1453
45°	1933	1900	1858	1837	1828	1484
55°	1457	1437	1395	1365	1344	1297
65°	929	894	848	820	805	918
75°	404	392	388	386	383	431
85°	66	82	93	97	99	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2908.0	2908.0	2908.0	2908.0	2908.0
2.5°	2919.8	2908.9	2905.5	2903.0	2910.6
5°	2913.1	2902.2	2898.8	2896.3	2904.7
7.5°	2898.8	2887.9	2884.5	2882.0	2888.7
10°	2877.8	2867.7	2864.3	2861.8	2869.4
12.5°	2850.9	2841.6	2837.4	2834.1	2842.5
15°	2817.3	2808.0	2802.1	2800.4	2805.5
17.5°	2776.9	2767.6	2763.4	2760.9	2766.8
20°	2729.8	2719.7	2713.8	2710.5	2715.5
22.5°	2677.7	2667.6	2660.0	2656.7	2658.4
25°	2618.8	2608.8	2603.7	2593.6	2593.6
27.5°	2555.8	2544.0	2531.4	2520.5	2521.3
30°	2482.6	2469.2	2454.1	2439.8	2438.9
32.5°	2408.7	2391.8	2373.4	2354.0	2348.1
35°	2327.1	2307.8	2280.0	2254.8	2248.1
37.5°	2231.3	2213.6	2176.6	2155.6	2144.7
40°	2136.3	2111.0	2073.2	2048.8	2038.7
42.5°	2032.0	2007.6	1967.3	1944.6	1936.2
45°	1932.8	1900.0	1858.0	1837.0	1827.7
47.5°	1809.2	1782.3	1752.9	1728.5	1716.7
50°	1694.9	1673.0	1637.7	1610.8	1603.3
52.5°	1575.5	1557.0	1523.4	1488.1	1479.7
55°	1457.0	1436.8	1394.8	1365.3	1344.3
57.5°	1323.3	1305.6	1266.1	1228.3	1209.8
60°	1200.5	1170.3	1126.6	1085.4	1068.6
62.5°	1066.9	1037.4	987.0	945.0	935.7
65°	929.0	893.7	848.3	820.5	804.6
67.5°	789.4	755.0	717.1	699.5	689.4
70°	651.6	623.8	595.2	582.6	573.4
72.5°	518.7	502.8	486.8	481.7	473.3
75°	403.5	391.8	388.4	385.9	383.4
77.5°	290.9	296.8	300.1	303.5	300.1
80°	197.6	210.2	222.8	229.5	229.5
82.5°	121.9	143.8	154.7	161.4	160.6
85°	66.4	82.4	93.3	96.7	99.2
87.5°	26.9	33.6	37.8	41.2	42.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)