

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: P738634

Luminaire Tested: **24PT-72-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738634
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-72-PL1-L850
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

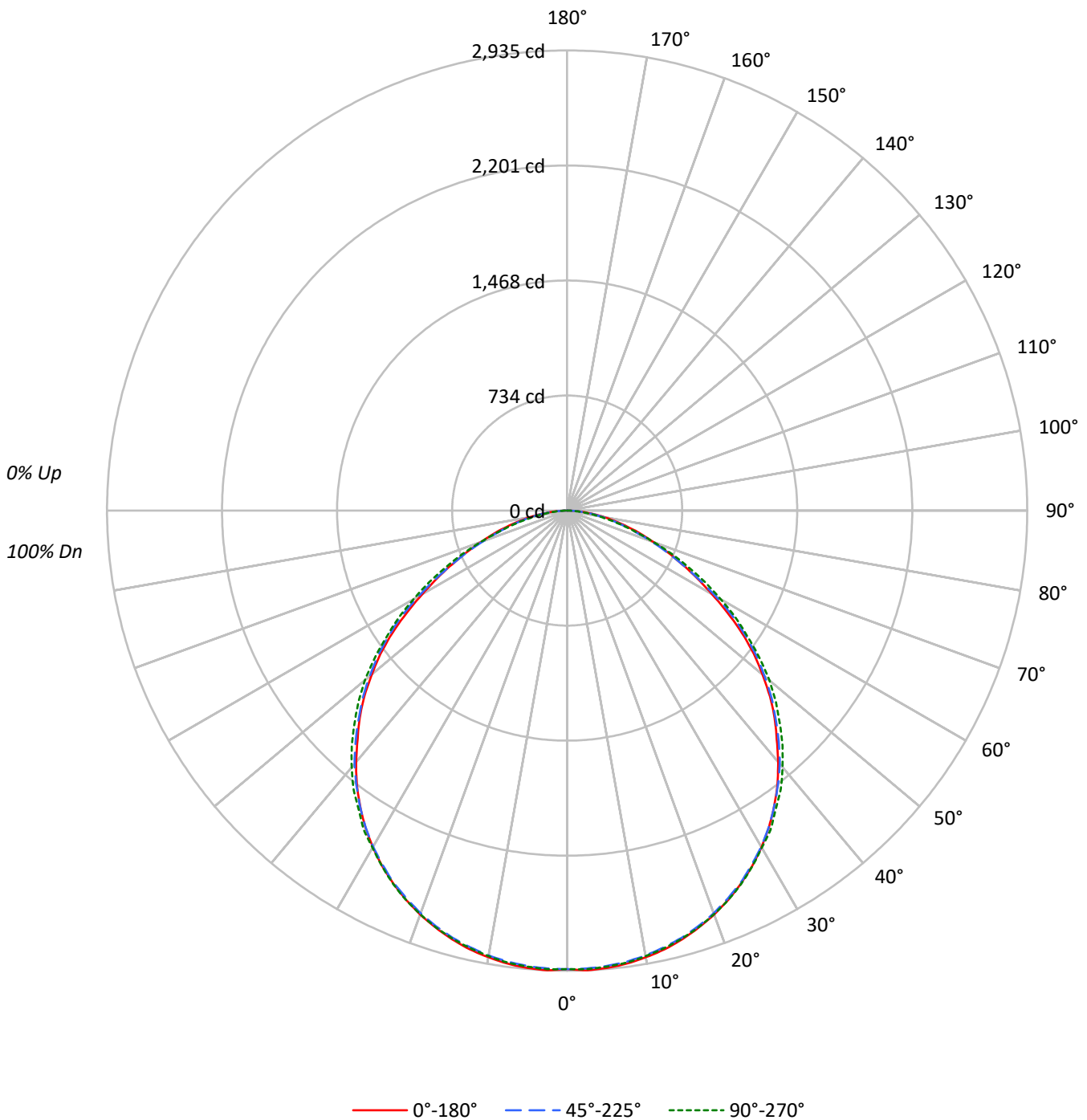
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7742.0 lumens
Efficiency: N/A
Efficacy: 128.8 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): 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	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°	4194	4194	4194
5°	4215	4197	4203
10°	4212	4195	4202
15°	4205	4187	4196
20°	4183	4171	4181
25°	4153	4143	4157
30°	4104	4098	4112
35°	4029	4031	4062
40°	3918	3948	4002
45°	3797	3814	3889
50°	3627	3668	3756
55°	3405	3468	3520
60°	3057	3132	3248
65°	2736	2741	2890
70°	2439	2372	2457
75°	2203	2073	2035
80°	1958	1826	1610
85°	1604	1522	1259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.4	3.6
10°-20°	796.6	10.3
20°-30°	1206.9	15.6
30°-40°	1442.3	18.6
40°-50°	1455.0	18.8
50°-60°	1234.4	15.9
60°-70°	816.8	10.5
70°-80°	405.3	5.2
80°-90°	107.2	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°	2281.0	29.5
0°-40°	3723.3	48.1
0°-60°	6412.7	82.8
0°-90°	7742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7742.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2925	2925	2925	2925	2925	
5°	2928	2918	2916	2914	2920	278
15°	2832	2823	2821	2821	2826	799
25°	2625	2619	2619	2618	2627	1209
35°	2302	2299	2303	2315	2320	1438
45°	1872	1870	1881	1906	1918	1440
55°	1362	1365	1387	1400	1408	1211
65°	806	805	808	833	852	805
75°	398	387	374	362	367	426
85°	98	98	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°	2924.9	2924.9	2924.9	2924.9	2924.9
2.5°	2935.0	2925.7	2923.2	2921.5	2928.3
5°	2928.3	2918.2	2915.6	2914.0	2919.9
7.5°	2914.8	2903.9	2902.2	2900.5	2908.1
10°	2892.9	2882.9	2881.2	2879.5	2886.2
12.5°	2866.9	2856.8	2853.4	2854.3	2858.5
15°	2832.4	2823.2	2820.6	2820.6	2826.5
17.5°	2789.5	2781.1	2779.4	2778.6	2786.2
20°	2741.6	2733.2	2733.2	2735.7	2739.9
22.5°	2687.0	2681.1	2677.7	2679.4	2687.8
25°	2624.8	2618.9	2618.9	2618.0	2627.3
27.5°	2555.8	2548.2	2548.2	2555.0	2558.3
30°	2478.5	2471.7	2475.1	2480.1	2483.5
32.5°	2395.2	2391.0	2393.6	2401.1	2414.6
35°	2301.9	2298.6	2302.8	2315.4	2320.4
37.5°	2204.4	2201.9	2207.8	2224.6	2238.9
40°	2093.4	2093.4	2109.4	2124.5	2138.0
42.5°	1978.2	1985.8	1997.6	2021.1	2032.9
45°	1872.3	1869.8	1880.7	1905.9	1917.7
47.5°	1754.6	1752.1	1768.1	1785.7	1805.0
50°	1626.0	1625.1	1644.5	1659.6	1684.0
52.5°	1500.7	1508.3	1520.9	1534.3	1548.6
55°	1362.0	1365.3	1387.2	1399.8	1408.2
57.5°	1212.3	1223.3	1250.2	1268.7	1276.2
60°	1066.0	1072.8	1092.1	1124.9	1132.5
62.5°	933.2	935.7	947.5	984.5	994.6
65°	806.3	804.6	807.9	833.2	851.7
67.5°	691.1	684.4	684.4	697.8	720.5
70°	581.8	571.7	565.8	570.0	586.0
72.5°	490.1	476.7	461.6	459.0	469.1
75°	397.7	386.7	374.1	362.4	367.4
77.5°	317.0	307.7	295.9	282.5	275.8
80°	237.1	233.7	221.1	208.5	195.0
82.5°	165.6	163.1	154.7	144.6	136.2
85°	97.5	97.5	92.5	84.9	76.5
87.5°	43.7	42.0	43.7	37.0	34.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)