

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: P738642

Luminaire Tested: **24PT-72-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738642
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-72-PR1-L850
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

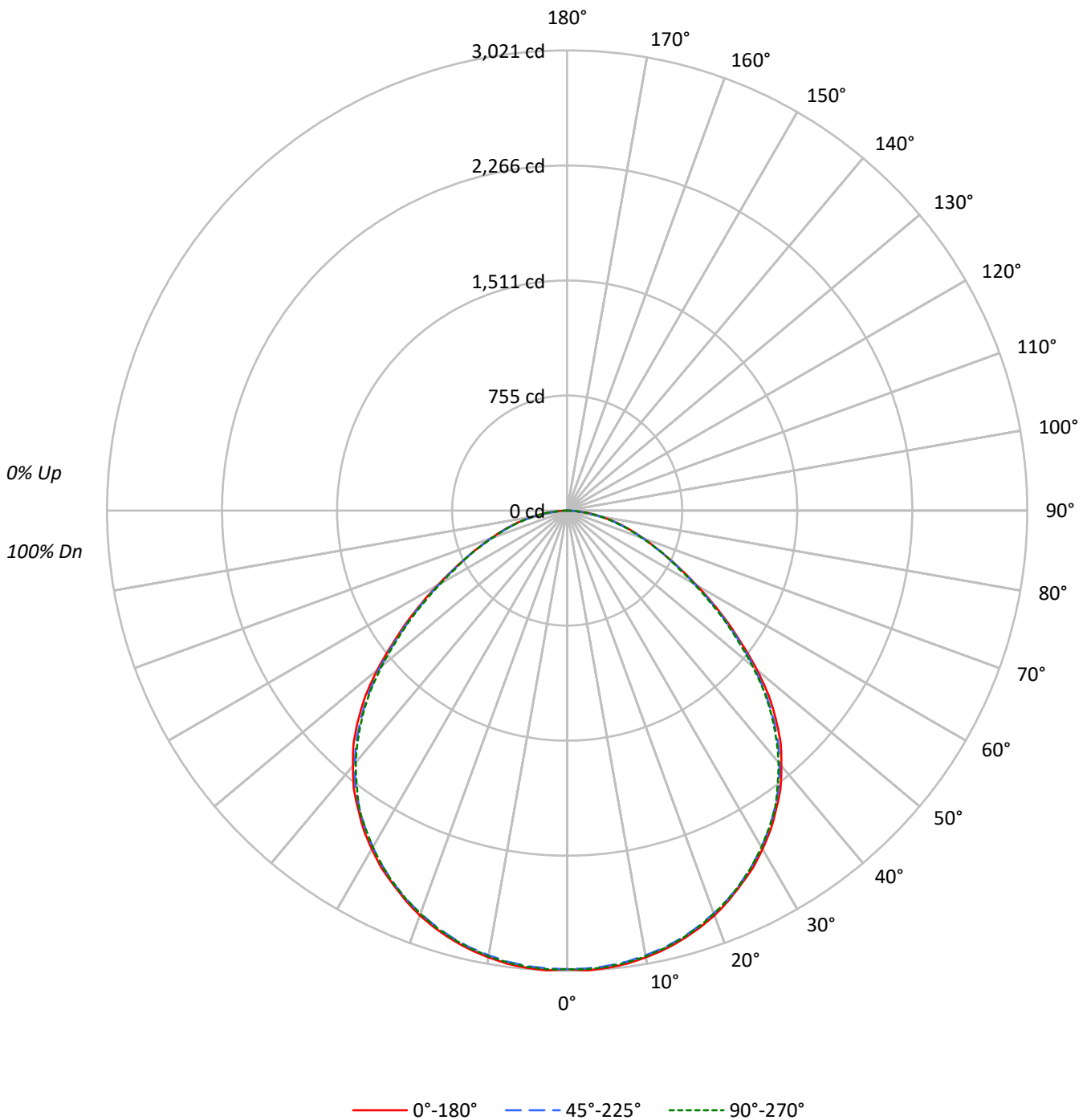
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7669.0 lumens
Efficiency: N/A
Efficacy: 127.6 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62					62			
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53					53			
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47					47			
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41					41			
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36					36			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4318	4318	4318
5°	4338	4320	4327
10°	4337	4316	4326
15°	4330	4312	4319
20°	4317	4295	4299
25°	4281	4268	4271
30°	4248	4224	4224
35°	4189	4164	4169
40°	4094	4060	4042
45°	3931	3868	3848
50°	3629	3576	3542
55°	3230	3184	3163
60°	2816	2785	2756
65°	2467	2470	2456
70°	2220	2213	2182
75°	2068	2007	2012
80°	1846	1812	1812
85°	1425	1466	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.6	3.7
10°-20°	820.2	10.7
20°-30°	1243.6	16.2
30°-40°	1487.3	19.4
40°-50°	1468.5	19.1
50°-60°	1143.0	14.9
60°-70°	725.6	9.5
70°-80°	389.4	5.1
80°-90°	105.6	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°	2349.4	30.6
0°-40°	3836.8	50.0
0°-60°	6448.3	84.1
0°-90°	7669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3011	3011	3011	3011	3011	
5°	3014	3005	3001	3000	3006	287
15°	2917	2907	2904	2901	2910	823
25°	2706	2701	2698	2693	2699	1248
35°	2393	2388	2379	2372	2382	1496
45°	1939	1925	1908	1898	1897	1488
55°	1292	1285	1274	1265	1265	1157
65°	727	730	728	719	724	730
75°	373	367	362	362	363	395
85°	87	88	89	89	86	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3011.3	3011.3	3011.3	3011.3	3011.3
2.5°	3021.4	3011.3	3007.9	3006.3	3013.8
5°	3013.8	3004.6	3001.2	2999.5	3006.3
7.5°	3001.2	2990.3	2986.9	2985.2	2992.8
10°	2978.5	2968.4	2964.2	2964.2	2970.9
12.5°	2951.6	2943.2	2939.0	2935.6	2943.2
15°	2917.1	2907.1	2904.5	2901.2	2909.6
17.5°	2875.9	2865.9	2862.5	2860.8	2866.7
20°	2828.9	2816.3	2814.6	2813.7	2817.1
22.5°	2770.9	2764.1	2760.8	2759.1	2761.6
25°	2706.1	2701.1	2697.7	2692.7	2699.4
27.5°	2643.1	2636.4	2627.9	2623.7	2627.9
30°	2565.7	2557.3	2551.4	2549.8	2551.4
32.5°	2485.9	2477.5	2469.9	2469.1	2468.2
35°	2393.4	2388.4	2379.1	2371.5	2381.6
37.5°	2301.8	2290.0	2281.6	2272.3	2269.8
40°	2187.4	2183.2	2168.9	2160.5	2159.7
42.5°	2076.5	2057.1	2047.0	2041.2	2031.9
45°	1938.6	1925.1	1907.5	1898.2	1897.4
47.5°	1794.8	1778.0	1761.2	1748.6	1752.0
50°	1626.7	1619.1	1603.2	1592.2	1588.0
52.5°	1453.5	1451.8	1435.0	1428.3	1420.7
55°	1292.1	1285.4	1273.6	1265.2	1265.2
57.5°	1133.2	1127.3	1121.5	1105.5	1105.5
60°	981.9	981.1	971.0	961.7	960.9
62.5°	846.6	851.6	842.4	833.1	828.1
65°	727.2	729.7	728.0	718.8	723.8
67.5°	622.1	622.9	619.6	614.5	617.9
70°	529.6	533.8	527.9	524.6	520.4
72.5°	448.9	447.2	442.2	444.7	438.8
75°	373.3	367.4	362.3	361.5	363.2
77.5°	297.6	295.9	291.7	291.7	289.2
80°	223.6	221.9	219.4	220.3	219.4
82.5°	158.9	154.7	151.3	153.0	153.8
85°	86.6	88.3	89.1	89.1	85.7
87.5°	35.3	34.5	35.3	37.0	37.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)