

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: P738641

Luminaire Tested: **24PT-72-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738641
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-L840
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

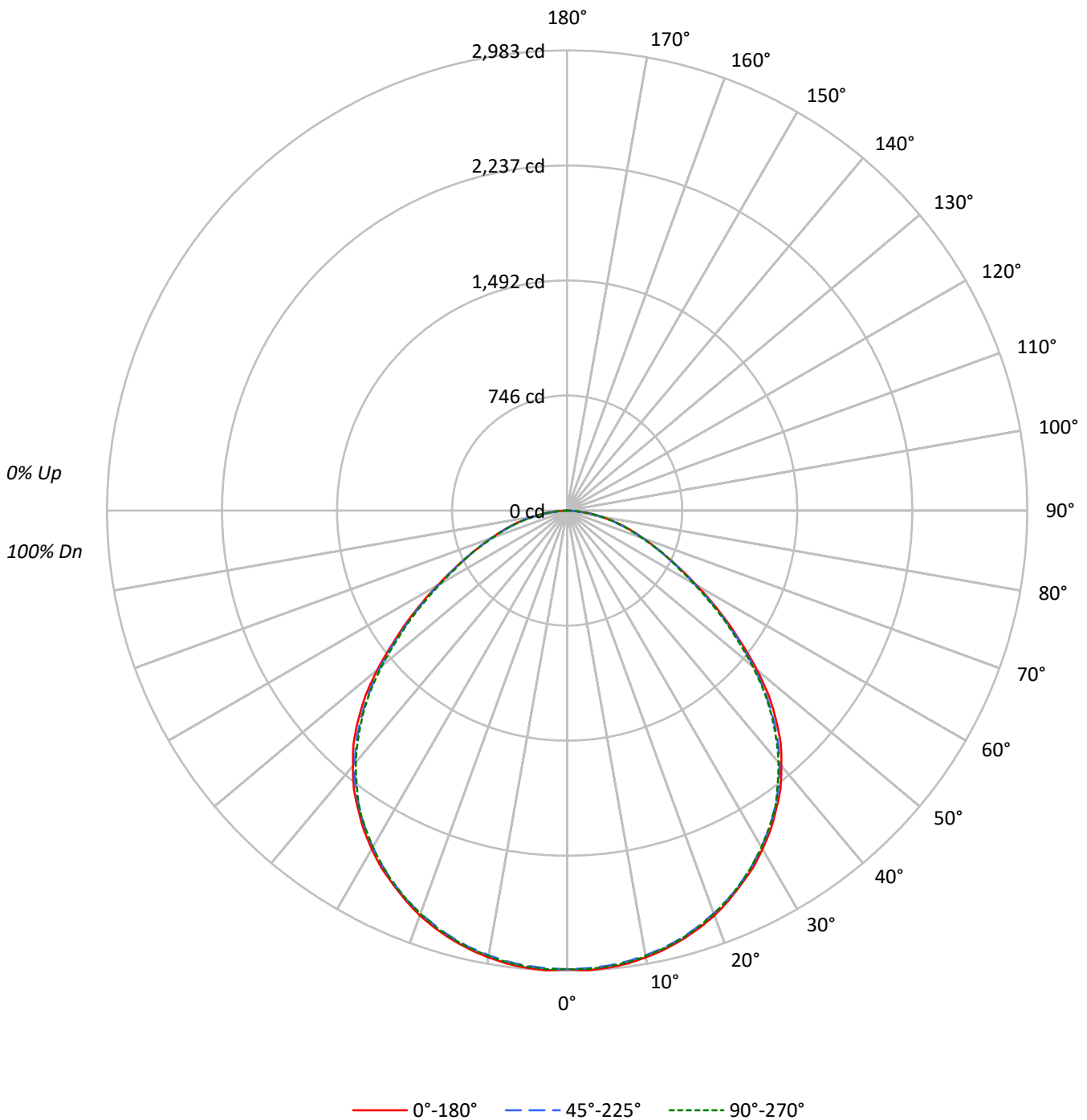
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7572.0 lumens
Efficiency: N/A
Efficacy: 126.0 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

TEST NUMBER: P738641
CATALOG NUMBER: 24PT-72-PR1-L840

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°	4263	4263	4263
5°	4283	4265	4272
10°	4282	4261	4271
15°	4275	4257	4265
20°	4262	4240	4244
25°	4227	4214	4217
30°	4194	4171	4171
35°	4136	4112	4116
40°	4043	4008	3991
45°	3881	3819	3799
50°	3583	3531	3498
55°	3189	3144	3123
60°	2780	2749	2721
65°	2436	2439	2425
70°	2192	2185	2154
75°	2041	1982	1987
80°	1823	1789	1789
85°	1407	1448	1393



TEST NUMBER: P738641

CATALOG NUMBER: 24PT-72-PR1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	3.7
10°-20°	809.9	10.7
20°-30°	1227.9	16.2
30°-40°	1468.5	19.4
40°-50°	1450.0	19.1
50°-60°	1128.6	14.9
60°-70°	716.5	9.5
70°-80°	384.5	5.1
80°-90°	104.3	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°	2319.7	30.6
0°-40°	3788.2	50.0
0°-60°	6366.8	84.1
0°-90°	7572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2973	2973	2973	2973	2973	
5°	2976	2967	2963	2962	2968	283
15°	2880	2870	2868	2864	2873	813
25°	2672	2667	2664	2659	2665	1232
35°	2363	2358	2349	2342	2352	1478
45°	1914	1901	1883	1874	1873	1469
55°	1276	1269	1258	1249	1249	1142
65°	718	720	719	710	715	720
75°	368	363	358	357	359	390
85°	86	87	88	88	85	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2973.2	2973.2	2973.2	2973.2	2973.2
2.5°	2983.2	2973.2	2969.9	2968.2	2975.7
5°	2975.7	2966.6	2963.2	2961.6	2968.2
7.5°	2963.2	2952.5	2949.1	2947.5	2954.9
10°	2940.8	2930.9	2926.7	2926.7	2933.4
12.5°	2914.3	2906.0	2901.8	2898.5	2906.0
15°	2880.2	2870.3	2867.8	2864.5	2872.8
17.5°	2839.6	2829.6	2826.3	2824.6	2830.4
20°	2793.1	2780.6	2779.0	2778.1	2781.5
22.5°	2735.8	2729.2	2725.9	2724.2	2726.7
25°	2671.9	2666.9	2663.6	2658.6	2665.3
27.5°	2609.7	2603.0	2594.7	2590.6	2594.7
30°	2533.3	2525.0	2519.2	2517.5	2519.2
32.5°	2454.4	2446.1	2438.7	2437.8	2437.0
35°	2363.1	2358.1	2349.0	2341.5	2351.5
37.5°	2272.7	2261.0	2252.7	2243.6	2241.1
40°	2159.8	2155.6	2141.5	2133.2	2132.4
42.5°	2050.2	2031.1	2021.2	2015.3	2006.2
45°	1914.1	1900.8	1883.4	1874.2	1873.4
47.5°	1772.1	1755.5	1738.9	1726.5	1729.8
50°	1606.1	1598.7	1582.9	1572.1	1567.9
52.5°	1435.1	1433.5	1416.9	1410.2	1402.8
55°	1275.8	1269.1	1257.5	1249.2	1249.2
57.5°	1118.9	1113.1	1107.3	1091.5	1091.5
60°	969.5	968.7	958.7	949.6	948.7
62.5°	835.9	840.8	831.7	822.6	817.6
65°	718.0	720.5	718.8	709.7	714.7
67.5°	614.2	615.1	611.7	606.8	610.1
70°	522.9	527.1	521.3	517.9	513.8
72.5°	443.2	441.6	436.6	439.1	433.3
75°	368.5	362.7	357.7	356.9	358.6
77.5°	293.8	292.2	288.0	288.0	285.5
80°	220.8	219.1	216.6	217.5	216.6
82.5°	156.9	152.7	149.4	151.1	151.9
85°	85.5	87.2	88.0	88.0	84.7
87.5°	34.9	34.0	34.9	36.5	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)