

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: P738640

Luminaire Tested: **24PT-72-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738640
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-L835
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

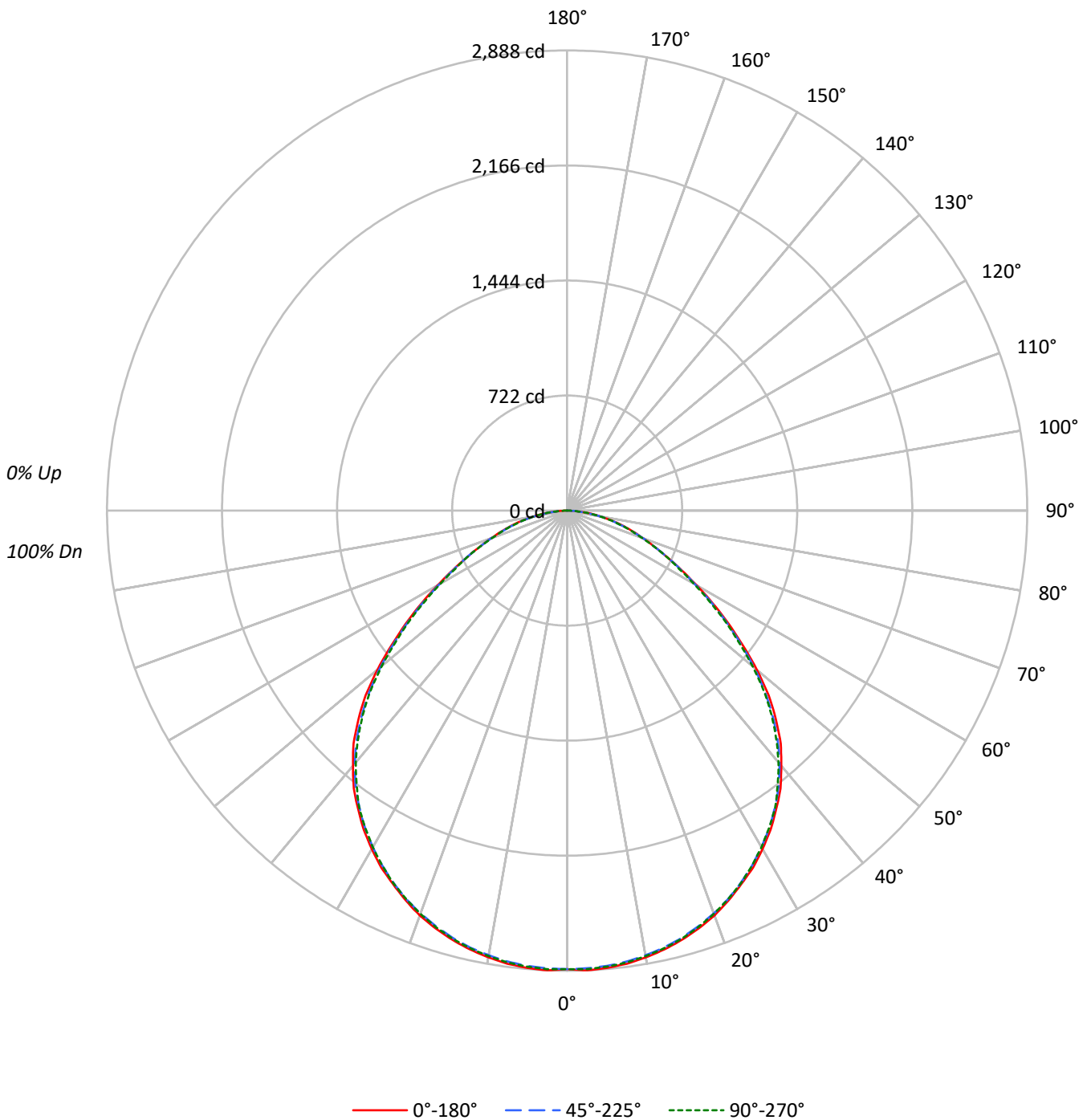
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7330.0 lumens
Efficiency: N/A
Efficacy: 122.0 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

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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	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°	4127	4127	4127
5°	4146	4129	4136
10°	4145	4125	4134
15°	4139	4121	4128
20°	4126	4105	4109
25°	4092	4079	4082
30°	4060	4038	4038
35°	4004	3980	3985
40°	3913	3880	3864
45°	3757	3697	3677
50°	3468	3418	3386
55°	3087	3043	3023
60°	2691	2662	2634
65°	2358	2361	2347
70°	2122	2115	2085
75°	1977	1919	1923
80°	1765	1732	1732
85°	1362	1402	1349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	3.7
10°-20°	784.0	10.7
20°-30°	1188.6	16.2
30°-40°	1421.6	19.4
40°-50°	1403.6	19.1
50°-60°	1092.5	14.9
60°-70°	693.6	9.5
70°-80°	372.2	5.1
80°-90°	100.9	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°	2245.6	30.6
0°-40°	3667.2	50.0
0°-60°	6163.3	84.1
0°-90°	7330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2878	2878	2878	2878	2878	
5°	2881	2872	2868	2867	2873	274
15°	2788	2778	2776	2773	2781	787
25°	2586	2582	2578	2574	2580	1193
35°	2288	2283	2274	2267	2276	1430
45°	1853	1840	1823	1814	1814	1422
55°	1235	1229	1217	1209	1209	1106
65°	695	697	696	687	692	697
75°	357	351	346	346	347	377
85°	83	84	85	85	82	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2878.2	2878.2	2878.2	2878.2	2878.2
2.5°	2887.8	2878.2	2875.0	2873.4	2880.6
5°	2880.6	2871.8	2868.5	2866.9	2873.4
7.5°	2868.5	2858.1	2854.9	2853.3	2860.5
10°	2846.8	2837.2	2833.2	2833.2	2839.6
12.5°	2821.1	2813.1	2809.1	2805.9	2813.1
15°	2788.2	2778.5	2776.1	2772.9	2781.0
17.5°	2748.8	2739.2	2736.0	2734.4	2740.0
20°	2703.8	2691.8	2690.2	2689.4	2692.6
22.5°	2648.4	2642.0	2638.7	2637.1	2639.5
25°	2586.5	2581.7	2578.5	2573.7	2580.1
27.5°	2526.2	2519.8	2511.8	2507.8	2511.8
30°	2452.3	2444.3	2438.7	2437.1	2438.7
32.5°	2376.0	2368.0	2360.7	2359.9	2359.1
35°	2287.6	2282.8	2273.9	2266.7	2276.4
37.5°	2200.0	2188.8	2180.7	2171.9	2169.5
40°	2090.7	2086.7	2073.1	2065.0	2064.2
42.5°	1984.7	1966.2	1956.6	1950.9	1942.1
45°	1852.9	1840.0	1823.2	1814.3	1813.5
47.5°	1715.5	1699.4	1683.4	1671.3	1674.5
50°	1554.8	1547.6	1532.3	1521.9	1517.8
52.5°	1389.3	1387.7	1371.6	1365.2	1357.9
55°	1235.0	1228.6	1217.3	1209.3	1209.3
57.5°	1083.1	1077.5	1071.9	1056.6	1056.6
60°	938.5	937.7	928.1	919.2	918.4
62.5°	809.1	814.0	805.1	796.3	791.5
65°	695.0	697.4	695.8	687.0	691.8
67.5°	594.6	595.4	592.2	587.4	590.6
70°	506.2	510.2	504.6	501.4	497.4
72.5°	429.1	427.5	422.6	425.1	419.4
75°	356.8	351.1	346.3	345.5	347.1
77.5°	284.4	282.8	278.8	278.8	276.4
80°	213.7	212.1	209.7	210.5	209.7
82.5°	151.9	147.8	144.6	146.2	147.0
85°	82.8	84.4	85.2	85.2	82.0
87.5°	33.7	32.9	33.7	35.4	36.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)