

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: P738608

Luminaire Tested: **24PT-60-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738608
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-60-PR1-L835
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

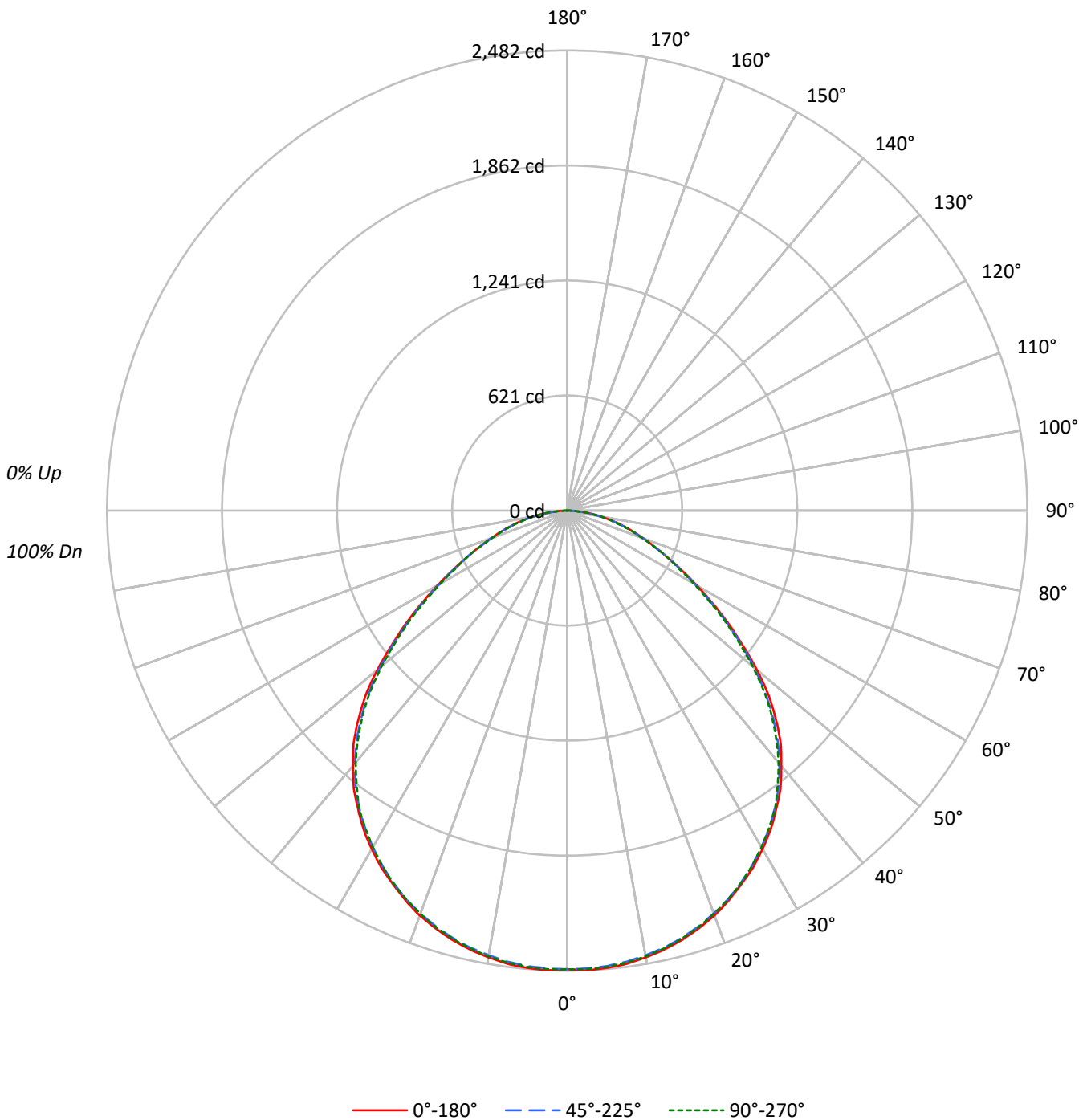
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6301.0 lumens
Efficiency: N/A
Efficacy: 124.3 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): 50.7
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°	3548	3548	3548
5°	3564	3549	3555
10°	3563	3546	3554
15°	3558	3542	3549
20°	3547	3529	3532
25°	3518	3507	3509
30°	3490	3471	3471
35°	3442	3422	3425
40°	3364	3335	3321
45°	3230	3178	3161
50°	2981	2938	2911
55°	2654	2616	2599
60°	2314	2288	2264
65°	2027	2030	2018
70°	1825	1819	1793
75°	1699	1649	1653
80°	1517	1489	1489
85°	1170	1204	1160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	3.7
10°-20°	673.9	10.7
20°-30°	1021.8	16.2
30°-40°	1222.0	19.4
40°-50°	1206.6	19.1
50°-60°	939.1	14.9
60°-70°	596.2	9.5
70°-80°	320.0	5.1
80°-90°	86.8	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°	1930.3	30.6
0°-40°	3152.4	50.0
0°-60°	5298.1	84.1
0°-90°	6301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2474	2474	2474	2474	2474	
5°	2476	2469	2466	2464	2470	235
15°	2397	2388	2386	2384	2391	676
25°	2223	2219	2216	2212	2218	1026
35°	1966	1962	1955	1948	1957	1230
45°	1593	1582	1567	1560	1559	1223
55°	1062	1056	1046	1040	1040	951
65°	598	600	598	591	595	599
75°	307	302	298	297	298	324
85°	71	72	73	73	70	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2474.1	2474.1	2474.1	2474.1	2474.1
2.5°	2482.4	2474.1	2471.4	2470.0	2476.2
5°	2476.2	2468.6	2465.9	2464.5	2470.0
7.5°	2465.9	2456.9	2454.1	2452.7	2458.9
10°	2447.2	2438.9	2435.5	2435.5	2441.0
12.5°	2425.1	2418.2	2414.7	2412.0	2418.2
15°	2396.8	2388.5	2386.4	2383.7	2390.6
17.5°	2362.9	2354.6	2351.9	2350.5	2355.3
20°	2324.3	2313.9	2312.5	2311.8	2314.6
22.5°	2276.6	2271.1	2268.3	2266.9	2269.0
25°	2223.4	2219.3	2216.5	2212.4	2217.9
27.5°	2171.6	2166.1	2159.2	2155.7	2159.2
30°	2108.1	2101.2	2096.3	2094.9	2096.3
32.5°	2042.4	2035.5	2029.3	2028.6	2027.9
35°	1966.5	1962.3	1954.7	1948.5	1956.8
37.5°	1891.2	1881.5	1874.6	1867.0	1864.9
40°	1797.2	1793.8	1782.0	1775.1	1774.4
42.5°	1706.1	1690.2	1681.9	1677.1	1669.5
45°	1592.8	1581.7	1567.2	1559.6	1558.9
47.5°	1474.7	1460.9	1447.0	1436.7	1439.4
50°	1336.5	1330.3	1317.2	1308.2	1304.8
52.5°	1194.2	1192.9	1179.1	1173.5	1167.3
55°	1061.6	1056.1	1046.4	1039.5	1039.5
57.5°	931.1	926.2	921.4	908.3	908.3
60°	806.8	806.1	797.8	790.2	789.5
62.5°	695.5	699.7	692.1	684.5	680.4
65°	597.5	599.5	598.2	590.6	594.7
67.5°	511.1	511.8	509.1	504.9	507.7
70°	435.2	438.6	433.8	431.0	427.6
72.5°	368.8	367.5	363.3	365.4	360.6
75°	306.7	301.8	297.7	297.0	298.4
77.5°	244.5	243.1	239.7	239.7	237.6
80°	183.7	182.3	180.3	181.0	180.3
82.5°	130.5	127.1	124.3	125.7	126.4
85°	71.1	72.5	73.2	73.2	70.5
87.5°	29.0	28.3	29.0	30.4	31.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)