

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: P738592

Luminaire Tested: **24PT-60-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PC3-L835
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

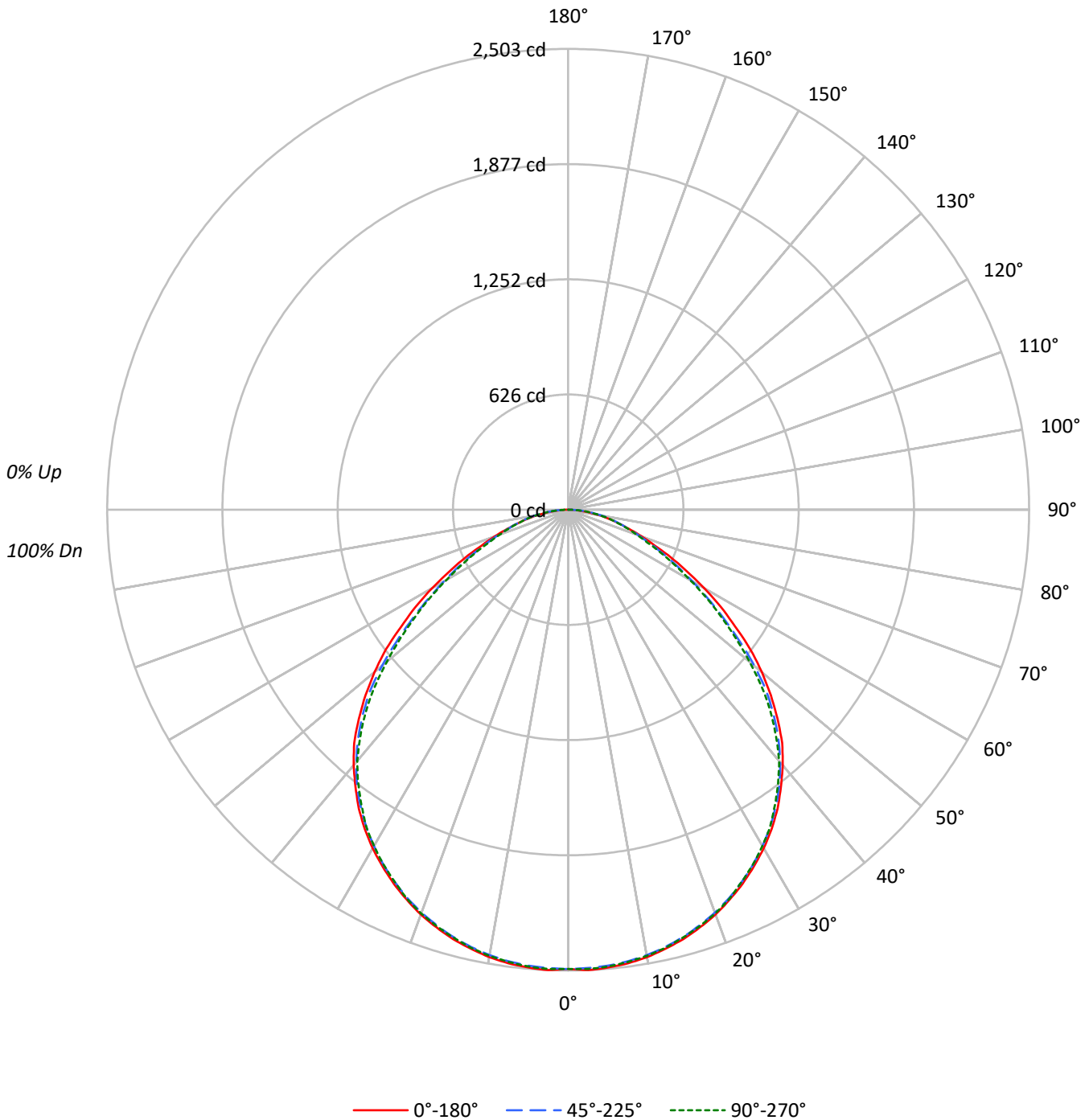
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6293.0 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3577	3577	3577
5°	3593	3578	3585
10°	3593	3577	3582
15°	3585	3568	3572
20°	3571	3554	3561
25°	3546	3529	3527
30°	3516	3492	3491
35°	3469	3441	3425
40°	3391	3350	3335
45°	3259	3199	3154
50°	3061	2943	2866
55°	2767	2579	2531
60°	2447	2232	2188
65°	2092	1934	1885
70°	1773	1697	1648
75°	1554	1581	1527
80°	1393	1537	1451
85°	1176	1405	1336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	3.8
10°-20°	679.0	10.8
20°-30°	1028.5	16.3
30°-40°	1228.5	19.5
40°-50°	1211.9	19.3
50°-60°	938.2	14.9
60°-70°	576.7	9.2
70°-80°	302.1	4.8
80°-90°	91.6	1.5
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°	1944.1	30.9
0°-40°	3172.6	50.4
0°-60°	5322.6	84.6
0°-90°	6293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2495	2495	2495	2495	2495	
5°	2496	2489	2486	2484	2491	237
15°	2415	2407	2404	2402	2407	681
25°	2241	2234	2230	2229	2230	1033
35°	1982	1973	1966	1960	1957	1237
45°	1607	1596	1578	1561	1555	1237
55°	1107	1077	1032	1016	1012	993
65°	617	588	570	553	556	615
75°	280	283	285	280	276	302
85°	72	80	85	83	81	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2494.8	2494.8	2494.8	2494.8	2494.8
2.5°	2503.1	2495.5	2492.0	2491.3	2496.9
5°	2496.2	2488.6	2485.8	2484.4	2490.6
7.5°	2485.1	2476.8	2474.0	2471.9	2477.4
10°	2467.7	2459.4	2456.6	2455.2	2460.1
12.5°	2442.7	2435.1	2433.0	2430.9	2437.2
15°	2415.0	2407.3	2403.8	2401.8	2406.6
17.5°	2378.8	2372.6	2368.4	2368.4	2372.6
20°	2340.0	2332.3	2328.9	2326.8	2333.7
22.5°	2292.1	2287.2	2283.0	2279.6	2287.2
25°	2241.4	2234.4	2230.3	2228.9	2229.6
27.5°	2183.7	2178.9	2173.3	2171.2	2172.6
30°	2123.3	2117.1	2109.4	2105.3	2108.7
32.5°	2056.0	2046.9	2040.7	2036.5	2041.4
35°	1981.7	1972.7	1965.7	1959.5	1956.7
37.5°	1897.0	1894.2	1884.5	1873.4	1872.7
40°	1811.6	1803.9	1790.0	1785.2	1781.7
42.5°	1719.9	1703.9	1689.4	1675.5	1670.6
45°	1607.4	1595.6	1577.6	1560.9	1555.3
47.5°	1492.2	1476.9	1459.5	1430.4	1426.9
50°	1372.0	1349.8	1319.3	1295.0	1284.6
52.5°	1247.1	1217.2	1174.8	1154.0	1148.5
55°	1106.8	1076.9	1031.8	1016.5	1012.4
57.5°	981.8	938.1	901.3	883.9	889.5
60°	853.4	811.0	778.4	761.7	763.1
62.5°	727.7	694.4	670.0	654.1	656.2
65°	616.6	588.1	570.1	553.4	555.5
67.5°	507.6	494.4	481.2	471.5	465.9
70°	422.9	417.3	404.8	395.8	393.0
72.5°	345.8	349.3	338.8	336.1	335.4
75°	280.5	283.3	285.4	279.8	275.7
77.5°	224.3	228.4	236.8	229.1	227.7
80°	168.7	177.1	186.1	181.2	175.7
82.5°	118.0	128.5	136.8	130.5	127.8
85°	71.5	79.9	85.4	83.3	81.2
87.5°	31.9	34.7	37.5	38.2	36.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)