

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: P738602

Luminaire Tested: **24PT-60-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PL1-L850
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

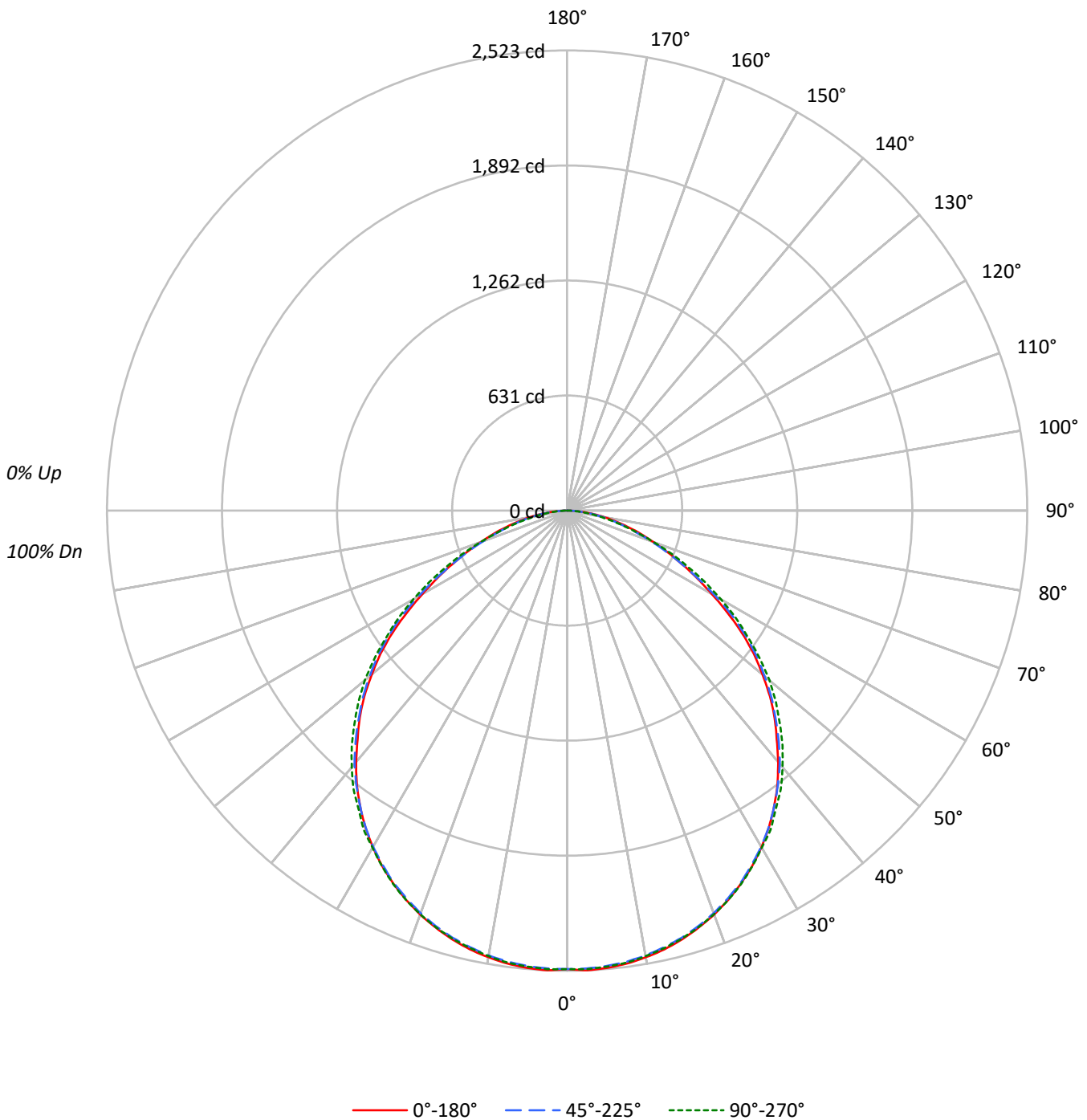
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6655.0 lumens
Efficiency: N/A
Efficacy: 131.3 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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3605	3605	3605
5°	3623	3607	3613
10°	3621	3606	3612
15°	3614	3599	3607
20°	3596	3585	3594
25°	3570	3562	3573
30°	3527	3523	3535
35°	3464	3465	3491
40°	3368	3394	3440
45°	3264	3278	3343
50°	3118	3153	3229
55°	2927	2981	3026
60°	2628	2692	2792
65°	2352	2356	2484
70°	2097	2039	2112
75°	1894	1782	1750
80°	1683	1570	1385
85°	1379	1308	1083



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	3.6
10°-20°	684.8	10.3
20°-30°	1037.5	15.6
30°-40°	1239.8	18.6
40°-50°	1250.7	18.8
50°-60°	1061.1	15.9
60°-70°	702.1	10.5
70°-80°	348.4	5.2
80°-90°	92.2	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°	1960.8	29.5
0°-40°	3200.6	48.1
0°-60°	5512.3	82.8
0°-90°	6655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2517	2508	2506	2505	2510	239
15°	2435	2427	2425	2425	2430	687
25°	2256	2251	2251	2250	2258	1039
35°	1979	1976	1979	1990	1995	1236
45°	1609	1607	1617	1638	1648	1238
55°	1171	1174	1192	1203	1210	1041
65°	693	692	694	716	732	692
75°	342	332	322	312	316	366
85°	84	84	80	73	66	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2514.2	2514.2	2514.2	2514.2	2514.2
2.5°	2522.9	2515.0	2512.8	2511.3	2517.1
5°	2517.1	2508.4	2506.3	2504.8	2509.9
7.5°	2505.6	2496.2	2494.7	2493.3	2499.8
10°	2486.8	2478.1	2476.7	2475.2	2481.0
12.5°	2464.4	2455.7	2452.8	2453.5	2457.1
15°	2434.7	2426.8	2424.6	2424.6	2429.7
17.5°	2397.9	2390.7	2389.2	2388.5	2395.0
20°	2356.7	2349.5	2349.5	2351.6	2355.2
22.5°	2309.7	2304.7	2301.8	2303.2	2310.4
25°	2256.2	2251.2	2251.2	2250.5	2258.4
27.5°	2197.0	2190.5	2190.5	2196.2	2199.1
30°	2130.5	2124.7	2127.6	2131.9	2134.8
32.5°	2058.9	2055.3	2057.5	2064.0	2075.6
35°	1978.7	1975.8	1979.4	1990.3	1994.6
37.5°	1894.9	1892.7	1897.8	1912.2	1924.5
40°	1799.5	1799.5	1813.2	1826.2	1837.8
42.5°	1700.5	1707.0	1717.1	1737.3	1747.5
45°	1609.4	1607.3	1616.7	1638.3	1648.5
47.5°	1508.2	1506.1	1519.8	1535.0	1551.6
50°	1397.7	1397.0	1413.6	1426.6	1447.5
52.5°	1290.0	1296.5	1307.3	1318.9	1331.2
55°	1170.8	1173.6	1192.4	1203.3	1210.5
57.5°	1042.1	1051.5	1074.6	1090.5	1097.0
60°	916.4	922.1	938.8	967.0	973.5
62.5°	802.2	804.4	814.5	846.3	854.9
65°	693.1	691.6	694.5	716.2	732.1
67.5°	594.0	588.3	588.3	599.8	619.3
70°	500.1	491.4	486.4	490.0	503.7
72.5°	421.3	409.8	396.8	394.6	403.3
75°	341.8	332.4	321.6	311.5	315.8
77.5°	272.5	264.5	254.4	242.8	237.0
80°	203.8	200.9	190.1	179.2	167.7
82.5°	142.4	140.2	133.0	124.3	117.1
85°	83.8	83.8	79.5	73.0	65.8
87.5°	37.6	36.1	37.6	31.8	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)