

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: P738362

Luminaire Tested: **22PT-60-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PW1-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

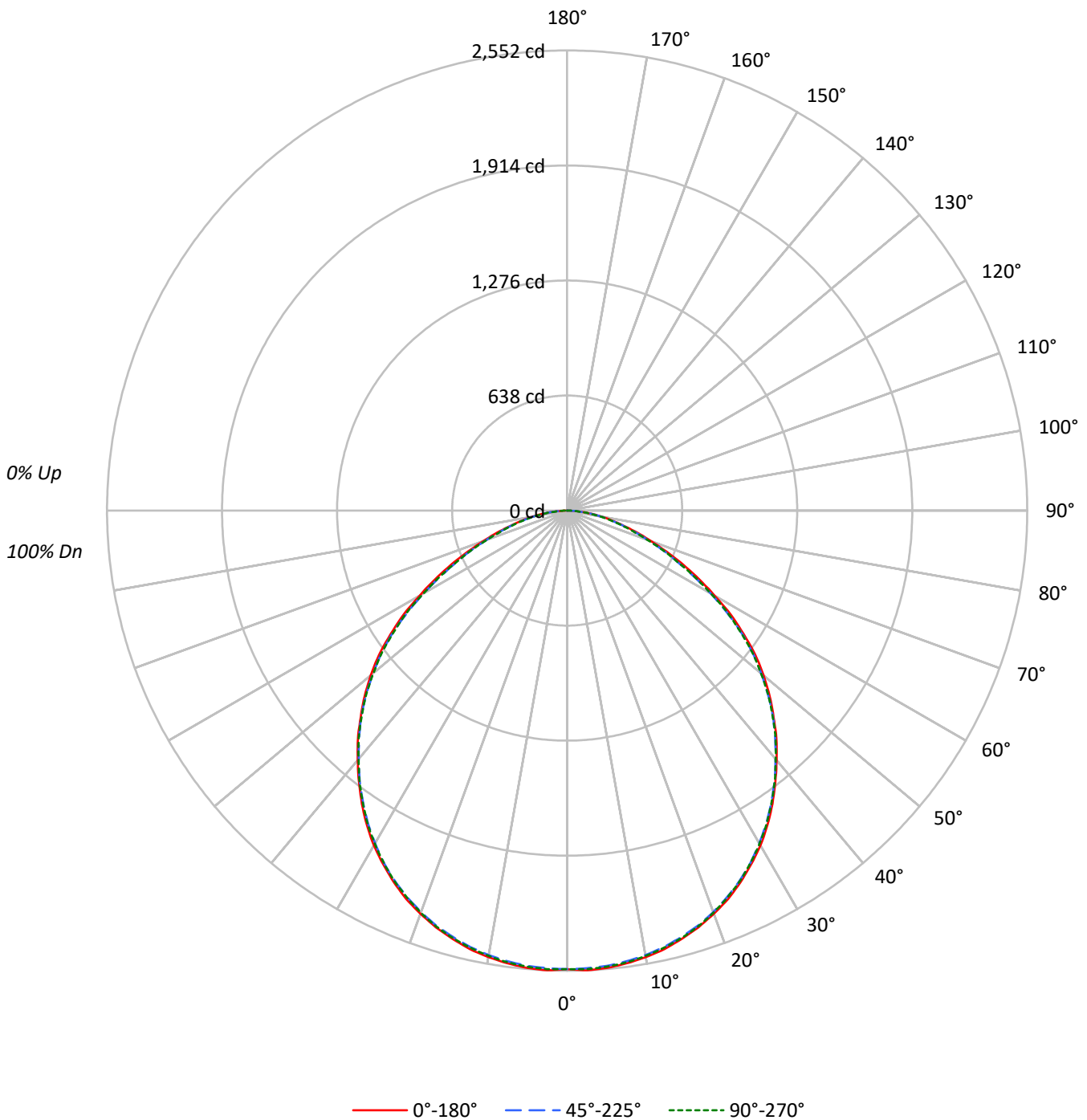
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6623.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7451	7451	7451
5°	7488	7455	7469
10°	7483	7446	7461
15°	7459	7426	7443
20°	7420	7388	7399
25°	7353	7320	7329
30°	7256	7209	7219
35°	7101	7062	7067
40°	6912	6876	6882
45°	6712	6688	6679
50°	6480	6407	6391
55°	6106	6024	5991
60°	5542	5382	5394
65°	4927	4698	4698
70°	4224	4069	4038
75°	3665	3582	3500
80°	3295	3162	3101
85°	2619	2642	2495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	3.6
10°-20°	691.5	10.4
20°-30°	1043.2	15.8
30°-40°	1235.6	18.7
40°-50°	1243.8	18.8
50°-60°	1051.8	15.9
60°-70°	683.9	10.3
70°-80°	340.3	5.1
80°-90°	91.7	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°	1975.9	29.8
0°-40°	3211.5	48.5
0°-60°	5507.1	83.2
0°-90°	6623.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6623.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2543	2543	2543	2543	2543	
5°	2546	2537	2534	2533	2540	242
15°	2459	2451	2448	2447	2454	694
25°	2274	2266	2264	2262	2267	1047
35°	1985	1976	1974	1974	1976	1241
45°	1620	1614	1614	1612	1612	1250
55°	1195	1185	1179	1174	1173	1067
65°	711	691	678	672	678	705
75°	324	324	316	308	309	351
85°	78	79	79	79	74	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2543.1	2543.1	2543.1	2543.1	2543.1
2.5°	2551.8	2543.1	2540.2	2538.8	2545.3
5°	2546.0	2536.6	2534.5	2533.0	2539.5
7.5°	2533.0	2524.4	2521.5	2520.8	2527.3
10°	2515.0	2506.4	2502.8	2501.3	2507.8
12.5°	2491.9	2482.6	2479.0	2477.5	2483.3
15°	2458.8	2450.9	2448.0	2447.3	2453.7
17.5°	2422.7	2414.8	2413.4	2411.2	2417.7
20°	2379.5	2371.6	2369.4	2366.5	2373.0
22.5°	2331.9	2322.6	2319.7	2317.5	2322.6
25°	2274.3	2266.3	2264.2	2262.0	2267.0
27.5°	2210.8	2205.1	2202.2	2200.0	2202.9
30°	2144.5	2134.4	2130.8	2129.4	2133.7
32.5°	2068.1	2060.9	2055.8	2055.1	2060.2
35°	1985.2	1976.5	1974.4	1974.4	1975.8
37.5°	1897.3	1892.9	1889.3	1887.2	1891.5
40°	1807.2	1805.7	1797.8	1797.1	1799.2
42.5°	1718.5	1712.7	1707.0	1709.8	1711.3
45°	1619.7	1614.0	1614.0	1611.8	1611.8
47.5°	1524.6	1518.8	1510.9	1511.6	1513.0
50°	1421.5	1414.3	1405.6	1410.7	1402.0
52.5°	1316.3	1303.3	1296.8	1296.8	1296.1
55°	1195.2	1185.1	1179.3	1174.3	1172.8
57.5°	1078.4	1063.2	1048.8	1050.3	1055.3
60°	945.7	938.5	918.4	919.8	920.5
62.5°	826.1	812.4	791.5	791.5	798.7
65°	710.7	691.3	677.6	672.5	677.6
67.5°	597.6	586.8	575.2	567.3	574.5
70°	493.1	487.3	475.0	467.1	471.4
72.5°	408.0	400.1	390.0	385.7	381.3
75°	323.7	323.7	316.4	307.8	309.2
77.5°	255.2	253.0	248.0	244.4	244.4
80°	195.3	193.2	187.4	186.0	183.8
82.5°	134.8	135.5	132.6	130.5	127.6
85°	77.9	79.3	78.6	78.6	74.2
87.5°	33.2	30.3	32.4	31.7	34.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)