

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: P738274

Luminaire Tested: **22PT-60-PB1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PB1-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

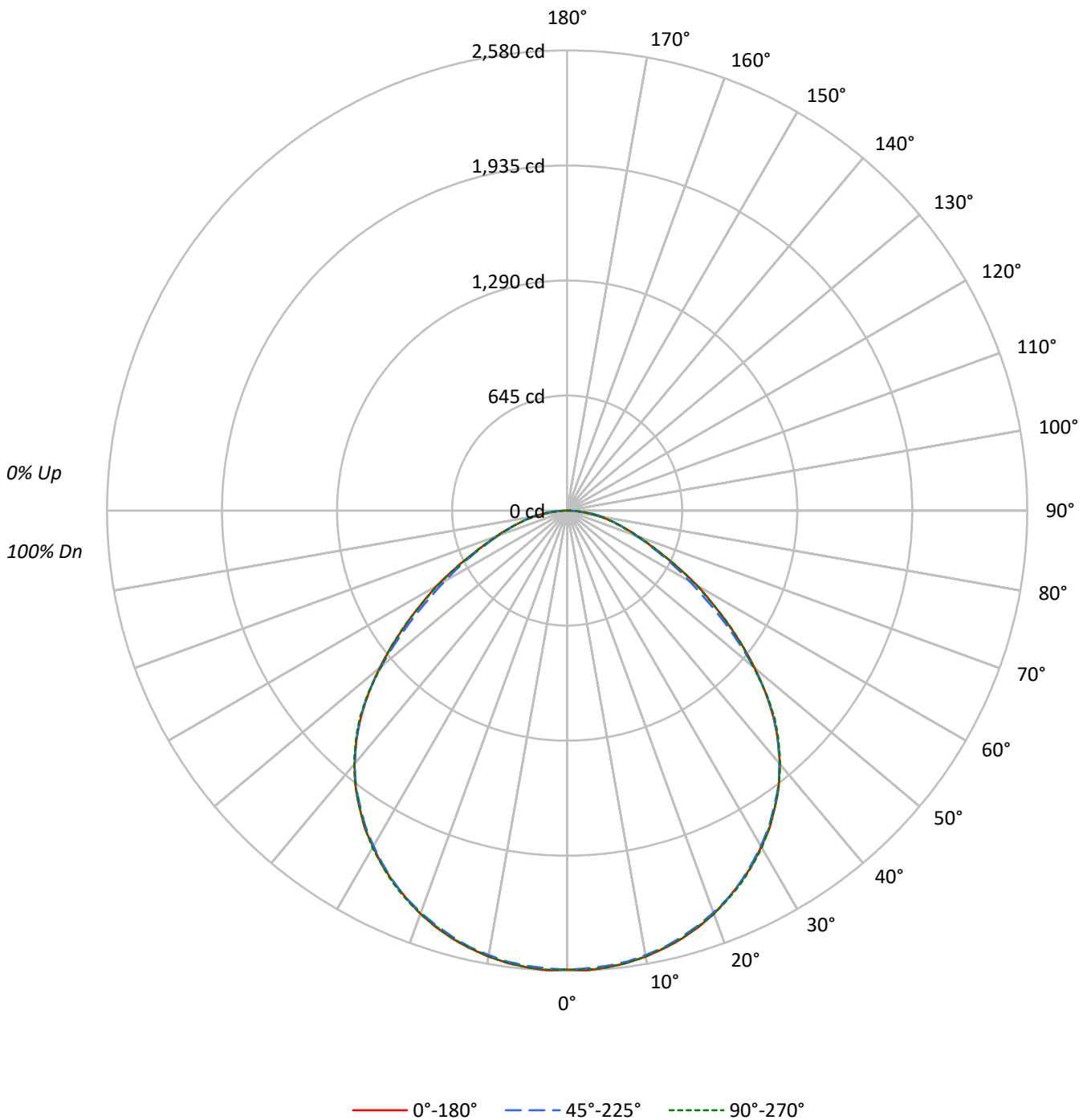
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6489.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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 (Ain): 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7541	7541	7541
5°	7560	7536	7560
10°	7555	7530	7552
15°	7537	7509	7534
20°	7500	7477	7503
25°	7438	7431	7455
30°	7362	7345	7384
35°	7264	7238	7264
40°	7095	7079	7103
45°	6776	6789	6815
50°	6257	6204	6214
55°	5590	5403	5612
60°	4935	4635	4905
65°	4134	4004	4134
70°	3585	3487	3603
75°	3269	3316	3269
80°	3071	3336	3090
85°	2673	3271	2743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.1	3.8
10°-20°	699.8	10.8
20°-30°	1059.7	16.3
30°-40°	1267.5	19.5
40°-50°	1254.9	19.3
50°-60°	964.9	14.9
60°-70°	587.6	9.1
70°-80°	311.0	4.8
80°-90°	99.6	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°	2003.6	30.9
0°-40°	3271.1	50.4
0°-60°	5490.9	84.6
0°-90°	6489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2574	2574	2574	2574	2574	
5°	2570	2570	2562	2566	2570	244
15°	2485	2481	2475	2481	2484	701
25°	2301	2298	2298	2302	2306	1060
35°	2031	2029	2023	2030	2031	1269
45°	1635	1636	1638	1639	1645	1254
55°	1094	1080	1058	1077	1098	981
65°	596	582	578	576	596	603
75°	289	289	293	291	289	310
85°	80	91	97	92	82	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2573.7	2573.7	2573.7	2573.7	2573.7
2.5°	2580.0	2575.8	2568.4	2573.7	2576.8
5°	2570.5	2569.5	2562.2	2566.4	2570.5
7.5°	2559.0	2555.9	2550.7	2554.8	2558.0
10°	2539.2	2537.1	2530.8	2536.0	2538.1
12.5°	2514.0	2512.0	2507.8	2512.0	2510.9
15°	2484.8	2480.6	2475.3	2480.6	2483.7
17.5°	2448.1	2444.0	2439.8	2442.9	2445.0
20°	2405.2	2399.0	2397.9	2402.1	2406.3
22.5°	2354.0	2354.0	2352.9	2356.1	2358.2
25°	2300.6	2298.5	2298.5	2301.7	2305.9
27.5°	2243.1	2238.9	2236.8	2242.0	2245.2
30°	2176.1	2175.1	2170.9	2179.3	2182.4
32.5°	2111.3	2100.8	2102.9	2107.1	2108.1
35°	2030.7	2028.6	2023.4	2029.7	2030.7
37.5°	1949.1	1948.0	1944.9	1947.0	1948.0
40°	1854.9	1853.9	1850.7	1854.9	1857.0
42.5°	1750.3	1748.2	1748.2	1751.4	1754.5
45°	1635.2	1636.3	1638.4	1639.4	1644.6
47.5°	1506.5	1508.6	1510.7	1508.6	1509.7
50°	1372.6	1371.6	1361.1	1368.4	1363.2
52.5°	1231.4	1215.7	1207.3	1224.1	1235.6
55°	1094.3	1079.7	1057.7	1076.6	1098.5
57.5°	962.5	937.4	914.4	936.4	958.3
60°	842.2	803.5	790.9	804.5	837.0
62.5°	713.5	686.3	682.1	684.2	712.5
65°	596.3	581.7	577.5	576.5	596.3
67.5°	500.1	490.7	485.4	489.6	502.2
70°	418.5	414.3	407.0	414.3	420.6
72.5°	351.5	350.5	344.2	350.5	348.4
75°	288.8	288.8	292.9	290.8	288.8
77.5°	235.4	237.5	244.8	238.5	232.3
80°	182.0	187.3	197.7	188.3	183.1
82.5°	129.7	141.2	152.7	141.2	133.9
85°	79.5	91.0	97.3	92.1	81.6
87.5°	34.5	40.8	42.9	39.8	34.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)