

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: P738082

Luminaire Tested: **22PT-25-PB1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738082
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-25-PB1-L850
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

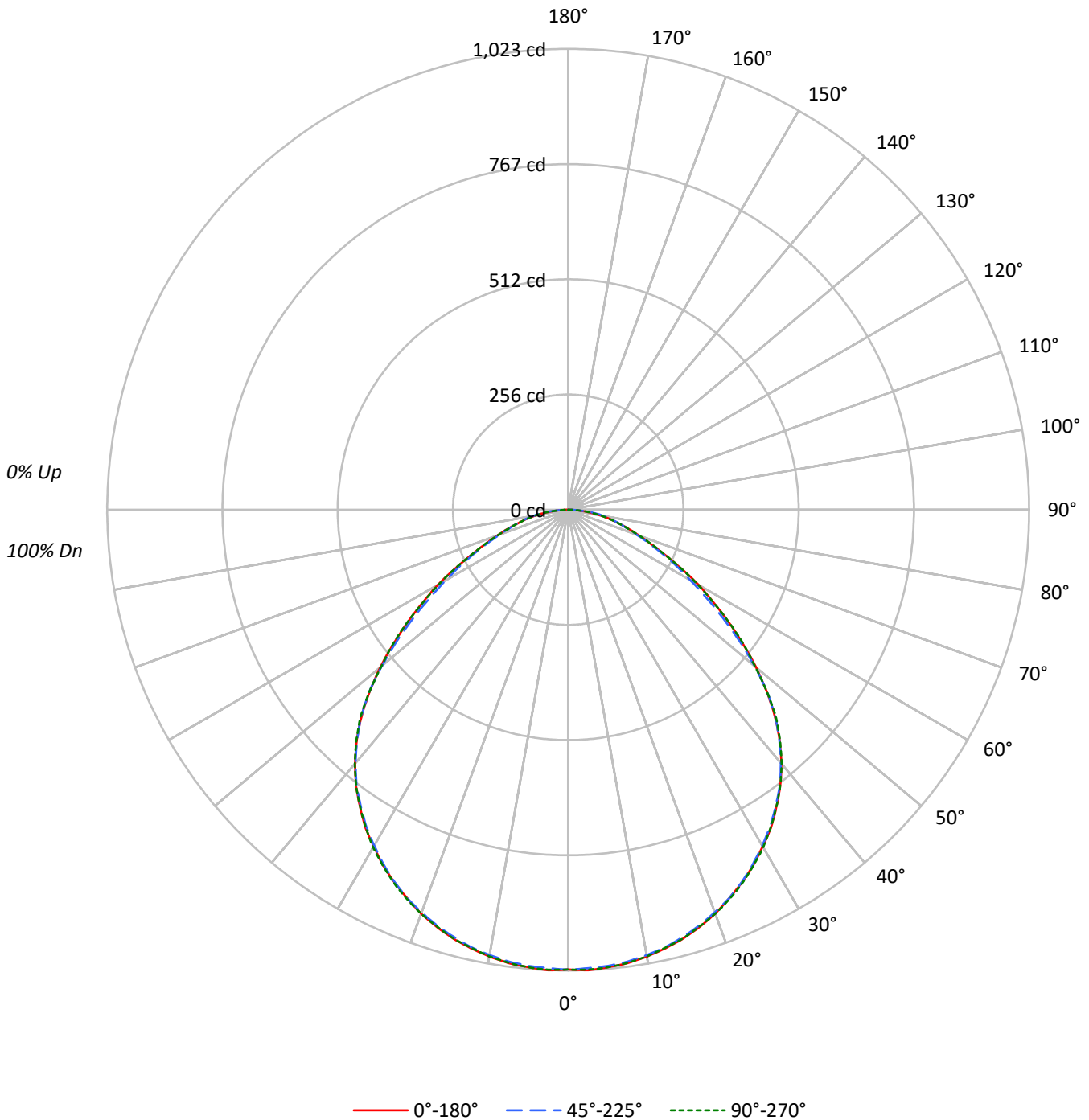
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2574.0 lumens
Efficiency: N/A
Efficacy: 138.4 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): 18.6
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	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°	2991	2991	2991
5°	2999	2989	2999
10°	2997	2987	2995
15°	2990	2979	2989
20°	2975	2966	2976
25°	2950	2948	2957
30°	2921	2913	2929
35°	2881	2871	2881
40°	2814	2808	2817
45°	2688	2693	2703
50°	2482	2461	2465
55°	2218	2143	2226
60°	1958	1838	1946
65°	1640	1588	1640
70°	1422	1383	1429
75°	1296	1315	1296
80°	1218	1323	1225
85°	1059	1298	1089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.8
10°-20°	277.6	10.8
20°-30°	420.4	16.3
30°-40°	502.8	19.5
40°-50°	497.8	19.3
50°-60°	382.7	14.9
60°-70°	233.1	9.1
70°-80°	123.3	4.8
80°-90°	39.5	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°	794.8	30.9
0°-40°	1297.5	50.4
0°-60°	2178.1	84.6
0°-90°	2574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1021	1021	1021	1021	1021	
5°	1020	1019	1016	1018	1020	97
15°	986	984	982	984	985	278
25°	913	912	912	913	915	421
35°	806	805	803	805	806	503
45°	649	649	650	650	652	498
55°	434	428	420	427	436	389
65°	237	231	229	229	237	239
75°	114	114	116	115	114	123
85°	32	36	39	36	32	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1020.9	1020.9	1020.9	1020.9	1020.9
2.5°	1023.4	1021.7	1018.8	1020.9	1022.2
5°	1019.7	1019.2	1016.3	1018.0	1019.7
7.5°	1015.1	1013.9	1011.8	1013.4	1014.7
10°	1007.2	1006.4	1003.9	1006.0	1006.8
12.5°	997.3	996.4	994.8	996.4	996.0
15°	985.6	984.0	981.9	984.0	985.2
17.5°	971.1	969.4	967.8	969.0	969.9
20°	954.1	951.6	951.2	952.8	954.5
22.5°	933.8	933.8	933.3	934.6	935.4
25°	912.6	911.8	911.8	913.0	914.7
27.5°	889.8	888.1	887.3	889.3	890.6
30°	863.2	862.8	861.1	864.4	865.7
32.5°	837.5	833.3	834.2	835.8	836.2
35°	805.5	804.7	802.6	805.1	805.5
37.5°	773.1	772.7	771.5	772.3	772.7
40°	735.8	735.4	734.1	735.8	736.6
42.5°	694.3	693.5	693.5	694.7	696.0
45°	648.6	649.1	649.9	650.3	652.4
47.5°	597.6	598.4	599.3	598.4	598.8
50°	544.5	544.1	539.9	542.8	540.7
52.5°	488.5	482.2	478.9	485.6	490.1
55°	434.1	428.3	419.6	427.0	435.8
57.5°	381.8	371.8	362.7	371.4	380.1
60°	334.1	318.7	313.7	319.1	332.0
62.5°	283.0	272.2	270.6	271.4	282.6
65°	236.6	230.7	229.1	228.7	236.6
67.5°	198.4	194.6	192.6	194.2	199.2
70°	166.0	164.3	161.4	164.3	166.8
72.5°	139.4	139.0	136.5	139.0	138.2
75°	114.5	114.5	116.2	115.4	114.5
77.5°	93.4	94.2	97.1	94.6	92.1
80°	72.2	74.3	78.4	74.7	72.6
82.5°	51.5	56.0	60.6	56.0	53.1
85°	31.5	36.1	38.6	36.5	32.4
87.5°	13.7	16.2	17.0	15.8	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)