

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: P738322

Luminaire Tested: **22PT-20-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738322
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-20-PW1-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

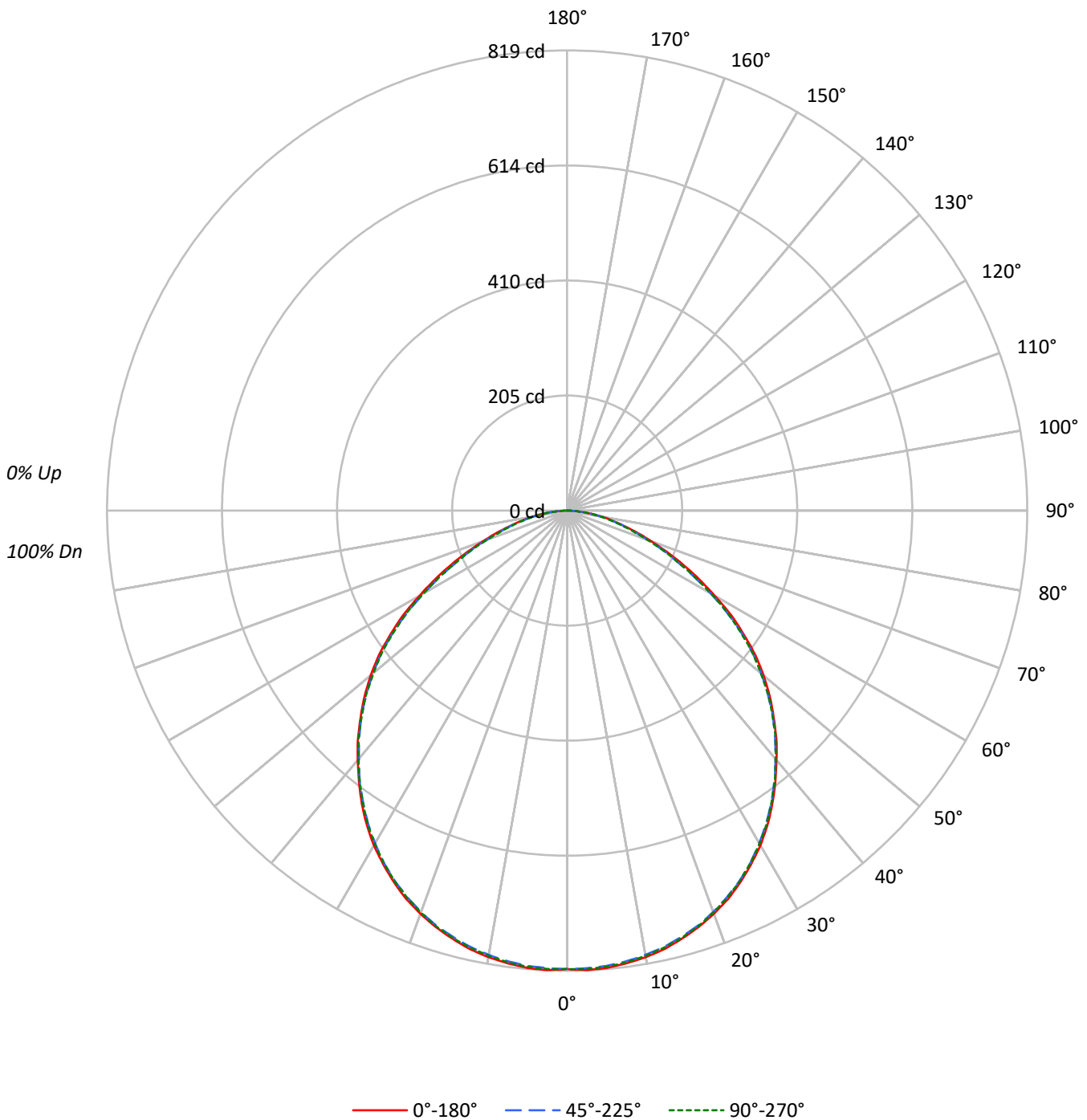
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2125.0 lumens
Efficiency: N/A
Efficacy: 143.6 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): 14.8
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°	2391	2391	2391
5°	2403	2392	2397
10°	2401	2389	2394
15°	2393	2382	2388
20°	2381	2370	2374
25°	2359	2349	2352
30°	2328	2313	2316
35°	2279	2266	2267
40°	2218	2206	2208
45°	2153	2146	2143
50°	2079	2056	2050
55°	1959	1933	1922
60°	1778	1727	1730
65°	1581	1507	1507
70°	1355	1306	1296
75°	1175	1149	1123
80°	1058	1014	996
85°	840	847	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	3.6
10°-20°	221.9	10.4
20°-30°	334.7	15.8
30°-40°	396.4	18.7
40°-50°	399.1	18.8
50°-60°	337.5	15.9
60°-70°	219.4	10.3
70°-80°	109.2	5.1
80°-90°	29.4	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°	634.0	29.8
0°-40°	1030.4	48.5
0°-60°	1767.0	83.2
0°-90°	2125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	816	816	816	816	816	
5°	817	814	813	813	815	78
15°	789	786	785	785	787	223
25°	730	727	726	726	727	336
35°	637	634	634	634	634	398
45°	520	518	518	517	517	401
55°	384	380	378	377	376	342
65°	228	222	217	216	217	226
75°	104	104	102	99	99	113
85°	25	25	25	25	24	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	816.0	816.0	816.0	816.0	816.0
2.5°	818.7	816.0	815.0	814.6	816.7
5°	816.9	813.9	813.2	812.7	814.8
7.5°	812.7	810.0	809.0	808.8	810.9
10°	806.9	804.2	803.0	802.6	804.6
12.5°	799.5	796.5	795.4	794.9	796.8
15°	788.9	786.4	785.4	785.2	787.3
17.5°	777.3	774.8	774.3	773.6	775.7
20°	763.5	760.9	760.2	759.3	761.4
22.5°	748.2	745.2	744.3	743.6	745.2
25°	729.7	727.2	726.5	725.8	727.4
27.5°	709.3	707.5	706.6	705.9	706.8
30°	688.1	684.8	683.7	683.2	684.6
32.5°	663.6	661.2	659.6	659.4	661.0
35°	637.0	634.2	633.5	633.5	633.9
37.5°	608.7	607.3	606.2	605.5	606.9
40°	579.8	579.4	576.8	576.6	577.3
42.5°	551.4	549.5	547.7	548.6	549.1
45°	519.7	517.8	517.8	517.1	517.1
47.5°	489.2	487.3	484.8	485.0	485.5
50°	456.1	453.8	451.0	452.6	449.8
52.5°	422.3	418.2	416.1	416.1	415.8
55°	383.5	380.2	378.4	376.8	376.3
57.5°	346.0	341.1	336.5	337.0	338.6
60°	303.4	301.1	294.7	295.1	295.3
62.5°	265.1	260.7	253.9	253.9	256.3
65°	228.0	221.8	217.4	215.8	217.4
67.5°	191.7	188.3	184.6	182.0	184.3
70°	158.2	156.3	152.4	149.9	151.3
72.5°	130.9	128.4	125.1	123.7	122.3
75°	103.8	103.8	101.5	98.8	99.2
77.5°	81.9	81.2	79.6	78.4	78.4
80°	62.7	62.0	60.1	59.7	59.0
82.5°	43.2	43.5	42.6	41.9	40.9
85°	25.0	25.4	25.2	25.2	23.8
87.5°	10.6	9.7	10.4	10.2	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)