

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: P738050

Luminaire Tested: **22PT-20-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PL1-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

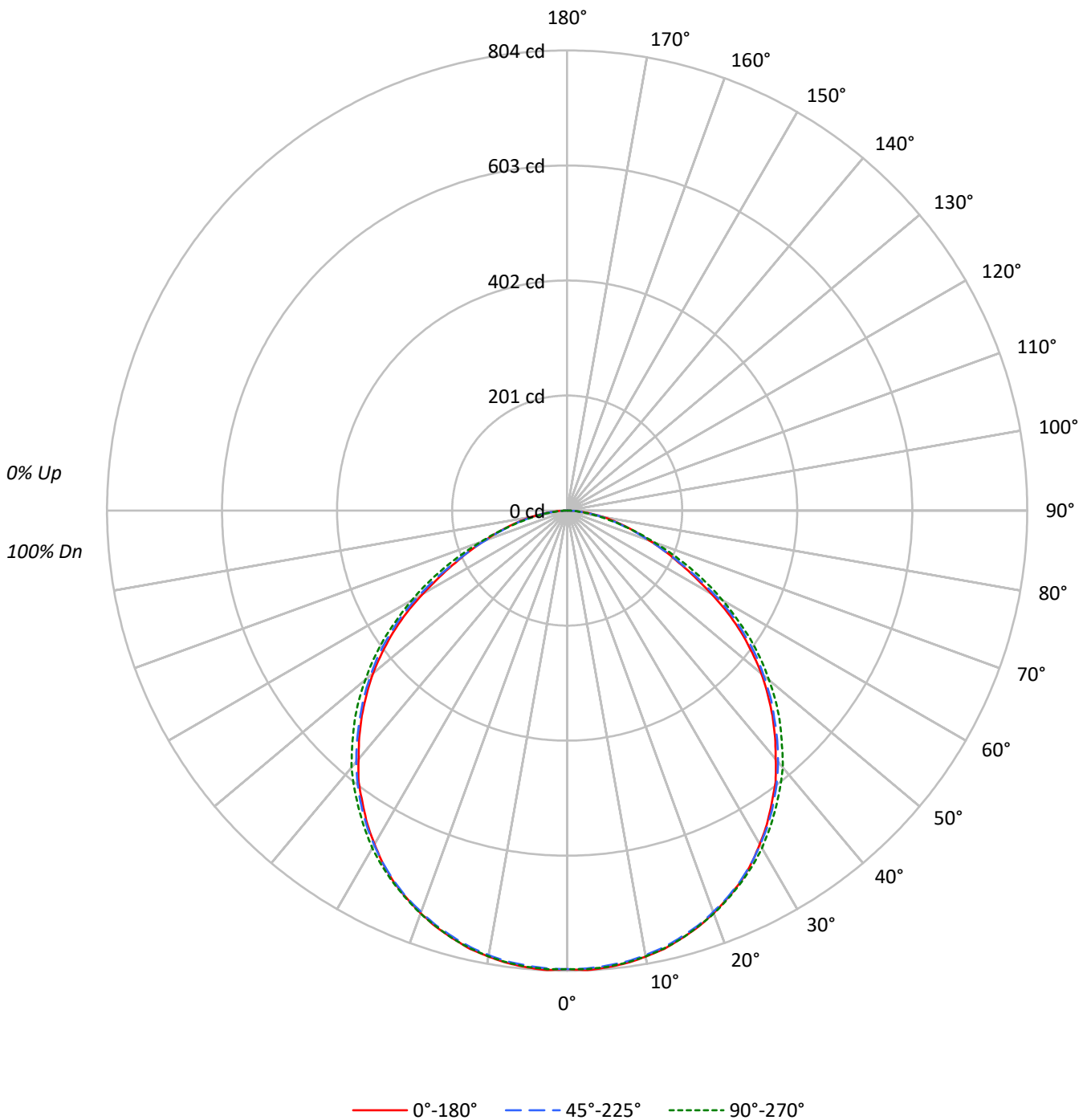
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2111.0 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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 (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	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	71	65		74	69	64		72	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	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	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	31		41	35	30	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°	2348	2348	2348
5°	2357	2348	2354
10°	2355	2347	2353
15°	2347	2339	2348
20°	2334	2327	2336
25°	2316	2311	2321
30°	2277	2282	2304
35°	2229	2245	2271
40°	2169	2193	2242
45°	2102	2120	2180
50°	2019	2044	2099
55°	1896	1934	1994
60°	1705	1762	1837
65°	1493	1524	1638
70°	1311	1300	1384
75°	1180	1130	1133
80°	1058	1001	893
85°	837	827	679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.6
10°-20°	217.9	10.3
20°-30°	329.6	15.6
30°-40°	392.9	18.6
40°-50°	396.8	18.8
50°-60°	338.5	16.0
60°-70°	222.4	10.5
70°-80°	108.9	5.2
80°-90°	28.0	1.3
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°	623.5	29.5
0°-40°	1016.4	48.1
0°-60°	1751.6	83.0
0°-90°	2111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	801	800	798	798	800	76
15°	774	772	771	772	774	218
25°	716	715	715	716	718	329
35°	623	625	628	632	635	390
45°	507	509	512	522	526	391
55°	371	373	378	387	390	330
65°	215	215	220	230	236	216
75°	104	103	100	99	100	112
85°	25	25	25	23	20	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	801.2	801.2	801.2	801.2	801.2
2.5°	803.6	801.9	800.9	800.2	801.9
5°	801.2	799.5	798.2	798.2	800.2
7.5°	797.5	795.8	794.8	794.5	796.5
10°	791.4	789.4	788.8	788.4	790.8
12.5°	784.4	781.3	781.3	781.0	783.4
15°	773.6	772.2	771.2	771.6	773.9
17.5°	762.5	761.1	760.4	760.4	761.8
20°	748.6	747.0	746.3	747.0	749.3
22.5°	732.8	731.8	731.8	732.5	734.1
25°	716.3	714.6	714.9	715.9	718.0
27.5°	696.1	695.7	695.7	698.1	700.4
30°	673.1	673.1	674.5	677.9	680.9
32.5°	649.9	649.5	652.2	655.3	658.6
35°	623.2	624.9	627.6	632.0	635.0
37.5°	598.3	598.0	601.3	609.1	611.1
40°	567.0	569.3	573.4	581.1	586.2
42.5°	537.6	539.3	543.0	552.1	555.5
45°	507.3	508.6	511.7	521.8	526.2
47.5°	475.3	477.0	481.3	489.8	494.8
50°	442.9	445.3	448.3	456.4	460.4
52.5°	407.5	410.6	415.9	423.4	426.4
55°	371.1	373.1	378.5	387.3	390.3
57.5°	333.0	334.7	342.5	348.9	351.2
60°	290.9	292.9	300.7	310.8	313.5
62.5°	251.1	252.8	259.5	271.7	275.7
65°	215.4	215.4	219.8	229.9	236.3
67.5°	183.7	183.0	183.7	191.5	198.2
70°	153.0	153.4	151.7	156.4	161.5
72.5°	127.8	127.8	124.4	125.1	129.1
75°	104.2	103.1	99.8	99.1	100.1
77.5°	83.3	81.6	78.9	76.9	74.5
80°	62.7	61.3	59.3	56.3	52.9
82.5°	43.8	42.5	41.1	39.4	36.1
85°	24.9	24.9	24.6	22.6	20.2
87.5°	10.1	9.8	9.4	9.1	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)