

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: P738342

Luminaire Tested: **22PT-35-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738342
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-35-PW1-L950
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

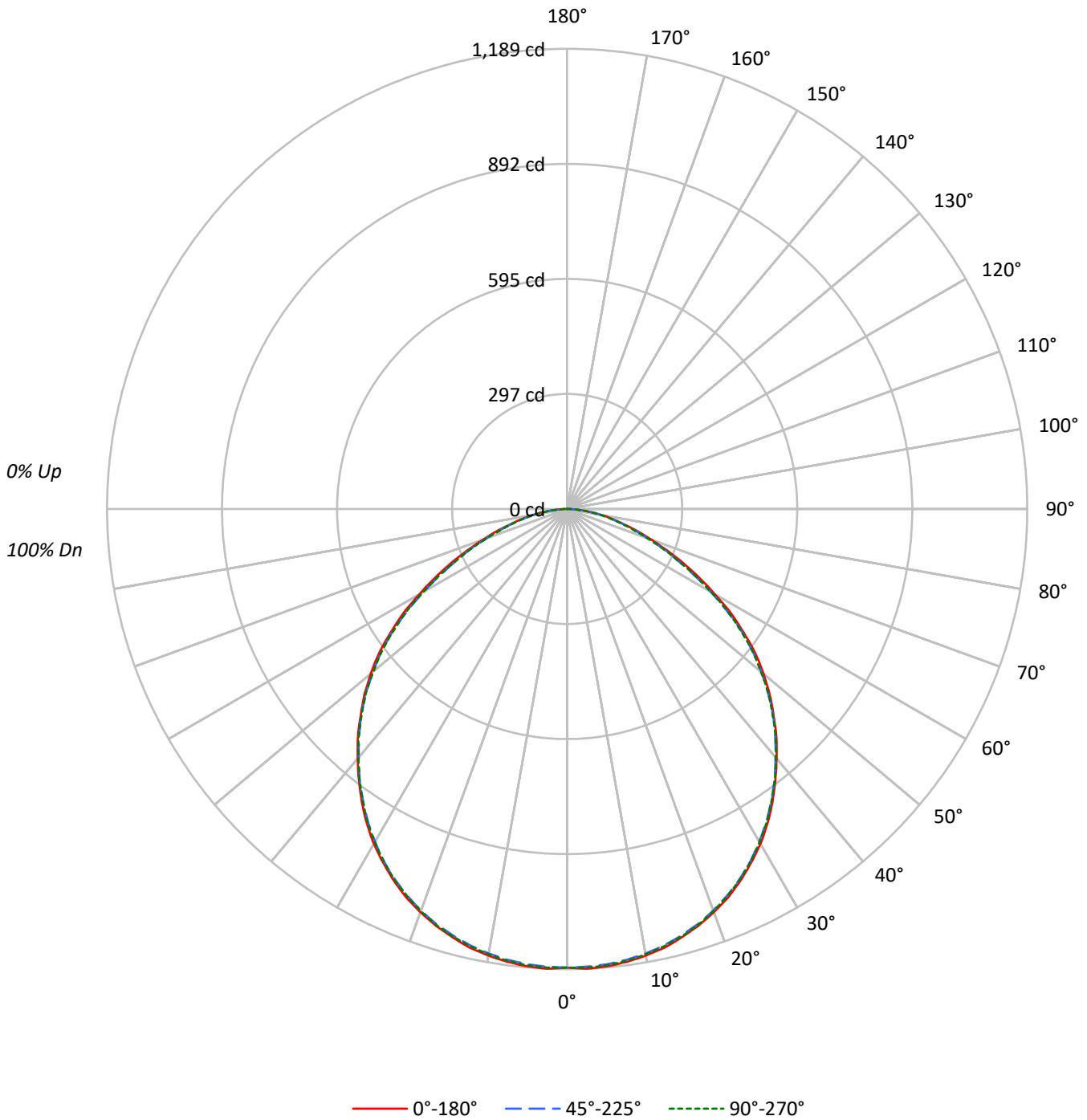
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3086.0 lumens
Efficiency: N/A
Efficacy: 117.3 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): 26.3
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

TEST NUMBER: P738342
CATALOG NUMBER: 22PT-35-PW1-L950

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°	3472	3472	3472
5°	3489	3473	3480
10°	3487	3470	3477
15°	3475	3460	3468
20°	3457	3442	3448
25°	3426	3411	3415
30°	3381	3359	3364
35°	3309	3291	3293
40°	3221	3204	3207
45°	3127	3116	3112
50°	3019	2986	2978
55°	2845	2807	2792
60°	2583	2508	2513
65°	2296	2189	2189
70°	1968	1896	1882
75°	1707	1670	1631
80°	1535	1473	1444
85°	1220	1230	1163



TEST NUMBER: P738342

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	3.6
10°-20°	322.2	10.4
20°-30°	486.1	15.8
30°-40°	575.7	18.7
40°-50°	579.6	18.8
50°-60°	490.1	15.9
60°-70°	318.7	10.3
70°-80°	158.6	5.1
80°-90°	42.7	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°	920.7	29.8
0°-40°	1496.4	48.5
0°-60°	2566.0	83.2
0°-90°	3086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3086.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1186	1182	1181	1180	1183	113
15°	1146	1142	1141	1140	1143	323
25°	1060	1056	1055	1054	1056	488
35°	925	921	920	920	921	578
45°	755	752	752	751	751	582
55°	557	552	550	547	546	497
65°	331	322	316	313	316	329
75°	151	151	148	143	144	163
85°	36	37	37	37	35	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1185.0	1185.0	1185.0	1185.0	1185.0
2.5°	1189.0	1185.0	1183.6	1183.0	1186.0
5°	1186.3	1182.0	1180.9	1180.3	1183.3
7.5°	1180.3	1176.2	1174.9	1174.6	1177.6
10°	1171.9	1167.8	1166.2	1165.5	1168.5
12.5°	1161.1	1156.8	1155.1	1154.4	1157.1
15°	1145.7	1142.0	1140.6	1140.3	1143.3
17.5°	1128.9	1125.2	1124.5	1123.5	1126.5
20°	1108.7	1105.0	1104.0	1102.7	1105.7
22.5°	1086.6	1082.2	1080.9	1079.8	1082.2
25°	1059.7	1056.0	1055.0	1054.0	1056.3
27.5°	1030.1	1027.4	1026.1	1025.1	1026.4
30°	999.2	994.5	992.9	992.2	994.2
32.5°	963.6	960.3	957.9	957.6	959.9
35°	925.0	921.0	920.0	920.0	920.6
37.5°	884.0	882.0	880.3	879.3	881.3
40°	842.0	841.4	837.7	837.3	838.4
42.5°	800.7	798.0	795.4	796.7	797.4
45°	754.7	752.0	752.0	751.0	751.0
47.5°	710.4	707.7	704.0	704.3	705.0
50°	662.4	659.0	655.0	657.3	653.3
52.5°	613.3	607.3	604.2	604.2	603.9
55°	556.9	552.2	549.5	547.1	546.5
57.5°	502.5	495.4	488.7	489.4	491.7
60°	440.7	437.3	427.9	428.6	428.9
62.5°	384.9	378.5	368.8	368.8	372.2
65°	331.2	322.1	315.7	313.4	315.7
67.5°	278.4	273.4	268.0	264.3	267.7
70°	229.7	227.1	221.3	217.6	219.7
72.5°	190.1	186.4	181.7	179.7	177.7
75°	150.8	150.8	147.5	143.4	144.1
77.5°	118.9	117.9	115.5	113.9	113.9
80°	91.0	90.0	87.3	86.7	85.6
82.5°	62.8	63.1	61.8	60.8	59.5
85°	36.3	36.9	36.6	36.6	34.6
87.5°	15.5	14.1	15.1	14.8	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)