

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: P738174

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
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: -

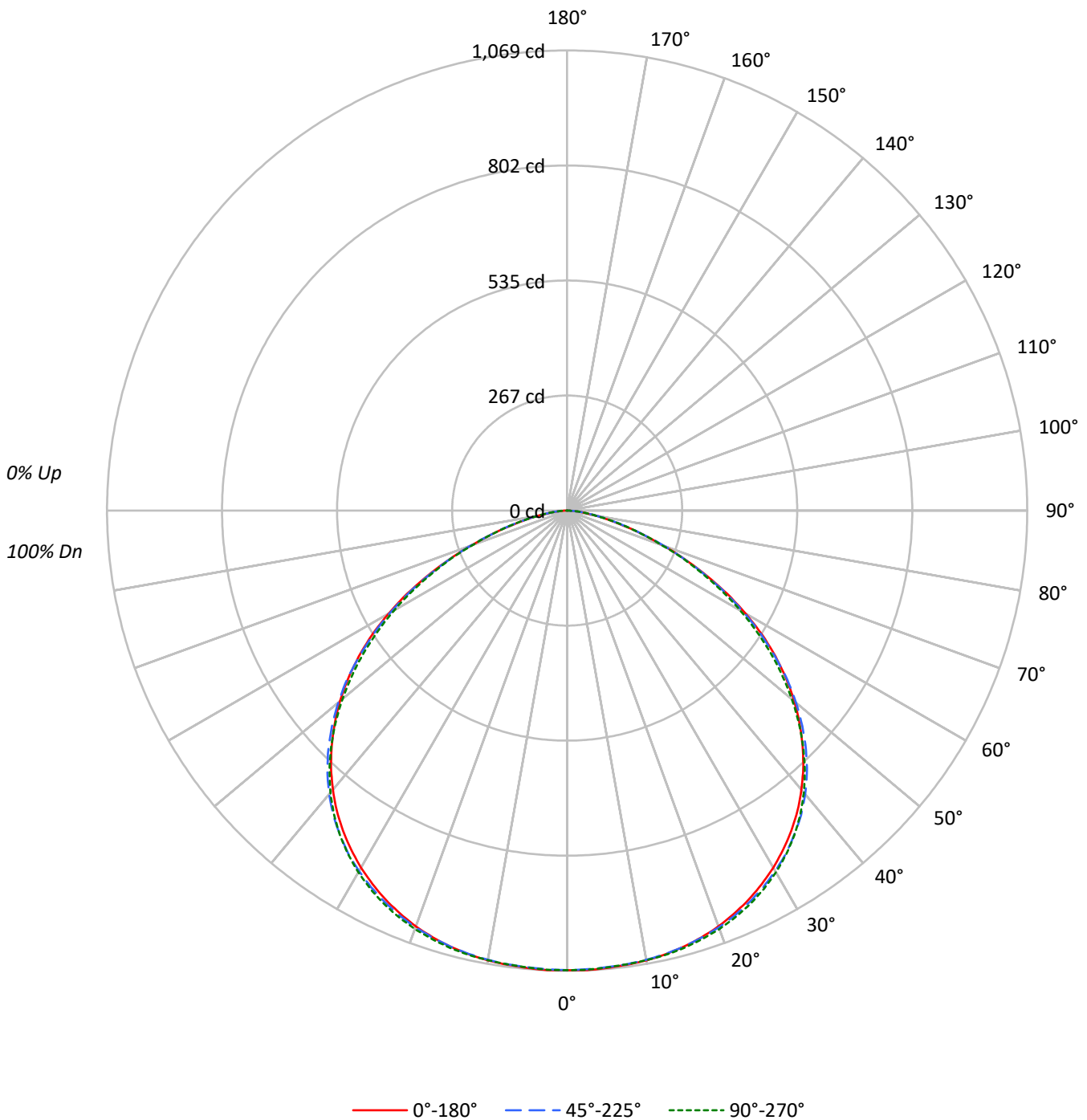
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3086.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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

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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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3128	3128	3128
5°	3137	3132	3133
10°	3157	3153	3156
15°	3181	3181	3190
20°	3205	3212	3225
25°	3225	3243	3258
30°	3240	3271	3283
35°	3248	3290	3292
40°	3239	3291	3272
45°	3206	3252	3213
50°	3141	3164	3106
55°	3019	3006	2949
60°	2811	2779	2721
65°	2479	2454	2407
70°	2030	2040	1997
75°	1537	1589	1577
80°	1114	1159	1141
85°	730	756	807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.3
10°-20°	296.5	9.6
20°-30°	462.3	15.0
30°-40°	572.9	18.6
40°-50°	599.5	19.4
50°-60°	522.4	16.9
60°-70°	350.0	11.3
70°-80°	151.7	4.9
80°-90°	29.2	0.9
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°	860.3	27.9
0°-40°	1433.2	46.4
0°-60°	2555.1	82.8
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°	1068	1068	1068	1068	1068	
5°	1066	1065	1065	1065	1065	102
15°	1049	1047	1048	1050	1052	296
25°	997	998	1003	1006	1008	460
35°	908	912	920	921	920	568
45°	774	778	785	778	775	596
55°	591	591	588	582	577	526
65°	358	356	354	351	347	354
75°	136	138	140	139	139	150
85°	22	23	22	23	24	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1067.6	1067.6	1067.6	1067.6	1067.6
2.5°	1068.7	1066.8	1066.4	1066.4	1067.6
5°	1066.4	1065.3	1064.9	1064.6	1065.3
7.5°	1064.2	1062.6	1063.0	1062.2	1063.0
10°	1061.1	1059.6	1059.6	1059.6	1060.7
12.5°	1055.7	1054.6	1055.0	1055.7	1057.3
15°	1048.8	1047.3	1048.5	1049.7	1051.6
17.5°	1039.3	1038.2	1040.1	1042.0	1043.6
20°	1027.9	1026.7	1030.2	1032.9	1034.4
22.5°	1013.7	1013.4	1018.0	1021.0	1022.2
25°	997.4	997.7	1003.1	1006.1	1007.7
27.5°	978.6	979.5	986.4	989.0	990.5
30°	957.7	959.6	966.9	969.1	970.3
32.5°	934.0	936.7	945.5	947.0	947.0
35°	908.1	911.5	919.9	921.0	920.3
37.5°	879.1	882.9	892.4	890.9	889.8
40°	846.7	850.8	860.4	857.3	855.5
42.5°	812.0	816.1	824.5	820.0	817.2
45°	773.8	778.0	784.9	778.4	775.3
47.5°	732.5	737.5	741.0	733.8	729.9
50°	689.1	690.6	694.1	685.7	681.4
52.5°	641.7	641.7	644.5	635.2	630.3
55°	591.0	590.6	588.4	581.9	577.3
57.5°	537.3	534.9	533.4	526.5	521.2
60°	479.6	476.2	474.3	468.6	464.3
62.5°	419.4	417.4	415.1	410.5	406.0
65°	357.5	355.6	354.0	350.7	347.2
67.5°	296.1	294.9	294.9	292.7	292.3
70°	237.0	237.7	238.1	238.1	233.1
72.5°	183.5	183.9	185.8	184.3	183.9
75°	135.8	138.2	140.4	139.3	139.3
77.5°	97.7	101.1	101.1	100.3	99.2
80°	66.0	67.6	68.7	68.3	67.6
82.5°	42.0	43.1	42.0	42.7	43.1
85°	21.7	23.2	22.5	22.9	24.0
87.5°	7.2	8.0	8.4	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)