

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: P738173

Luminaire Tested: **22PT-35-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

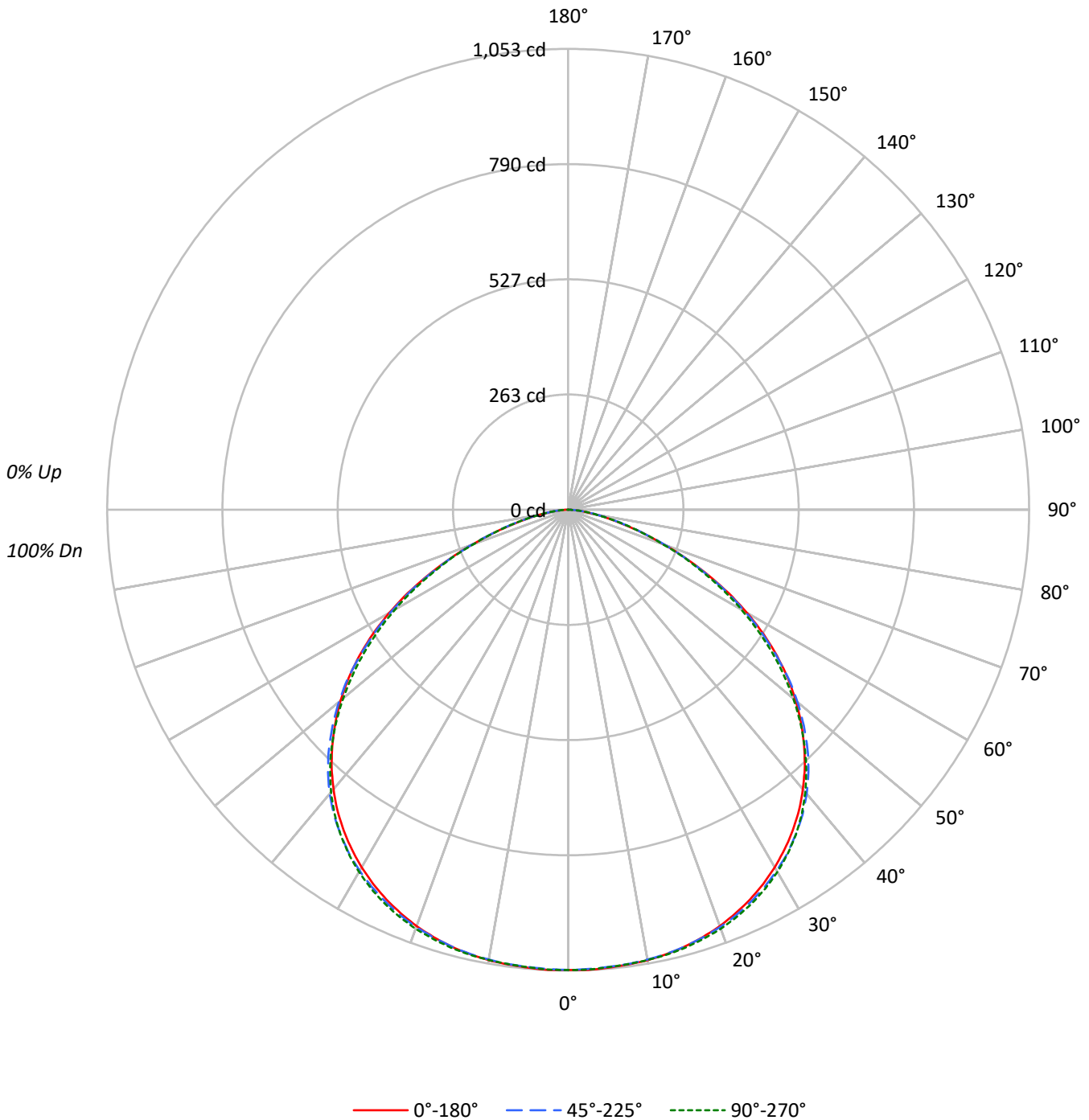
Test Method: LM-79-08  
Report Number: P738173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L940  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3040.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 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 (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	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	83	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°	3082	3082	3082
5°	3090	3085	3087
10°	3110	3106	3109
15°	3134	3133	3142
20°	3157	3164	3177
25°	3176	3194	3209
30°	3192	3223	3234
35°	3200	3241	3243
40°	3190	3242	3223
45°	3159	3204	3165
50°	3094	3117	3060
55°	2974	2961	2905
60°	2769	2738	2680
65°	2442	2418	2372
70°	2000	2009	1967
75°	1515	1566	1553
80°	1098	1142	1124
85°	719	746	797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.0	3.3
10°-20°	292.1	9.6
20°-30°	455.4	15.0
30°-40°	564.4	18.6
40°-50°	590.6	19.4
50°-60°	514.6	16.9
60°-70°	344.7	11.3
70°-80°	149.4	4.9
80°-90°	28.8	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°	847.4	27.9
0°-40°	1411.8	46.4
0°-60°	2517.0	82.8
0°-90°	3040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1052	1052	1052	1052	1052	
5°	1050	1049	1049	1049	1049	100
15°	1033	1032	1033	1034	1036	292
25°	982	983	988	991	993	453
35°	895	898	906	907	907	559
45°	762	766	773	767	764	587
55°	582	582	580	573	569	518
65°	352	350	349	346	342	348
75°	134	136	138	137	137	147
85°	21	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°	1051.7	1051.7	1051.7	1051.7	1051.7
2.5°	1052.8	1050.9	1050.5	1050.5	1051.7
5°	1050.5	1049.4	1049.0	1048.7	1049.4
7.5°	1048.3	1046.8	1047.2	1046.4	1047.2
10°	1045.3	1043.8	1043.8	1043.8	1044.9
12.5°	1040.0	1038.9	1039.3	1040.0	1041.5
15°	1033.2	1031.7	1032.9	1034.0	1035.9
17.5°	1023.8	1022.7	1024.6	1026.5	1028.0
20°	1012.6	1011.4	1014.8	1017.5	1019.0
22.5°	998.6	998.3	1002.8	1005.8	1006.9
25°	982.5	982.8	988.1	991.1	992.6
27.5°	964.1	964.9	971.6	974.2	975.7
30°	943.5	945.3	952.5	954.7	955.9
32.5°	920.1	922.8	931.4	932.9	932.9
35°	894.6	897.9	906.2	907.3	906.6
37.5°	866.0	869.7	879.1	877.6	876.5
40°	834.0	838.1	847.5	844.5	842.7
42.5°	799.9	804.0	812.3	807.8	805.1
45°	762.3	766.4	773.2	766.8	763.8
47.5°	721.6	726.5	729.9	722.8	719.0
50°	678.8	680.3	683.7	675.4	671.2
52.5°	632.2	632.2	634.9	625.8	620.9
55°	582.2	581.8	579.6	573.2	568.7
57.5°	529.2	526.9	525.4	518.7	513.5
60°	472.5	469.1	467.2	461.6	457.4
62.5°	413.1	411.2	408.9	404.4	399.9
65°	352.2	350.3	348.8	345.5	342.1
67.5°	291.7	290.5	290.5	288.3	287.9
70°	233.4	234.1	234.5	234.5	229.6
72.5°	180.8	181.2	183.1	181.6	181.2
75°	133.8	136.1	138.3	137.2	137.2
77.5°	96.2	99.6	99.6	98.8	97.7
80°	65.1	66.6	67.7	67.3	66.6
82.5°	41.4	42.5	41.4	42.1	42.5
85°	21.4	22.9	22.2	22.6	23.7
87.5°	7.1	7.9	8.3	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)