

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: P738172

Luminaire Tested: **22PT-35-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

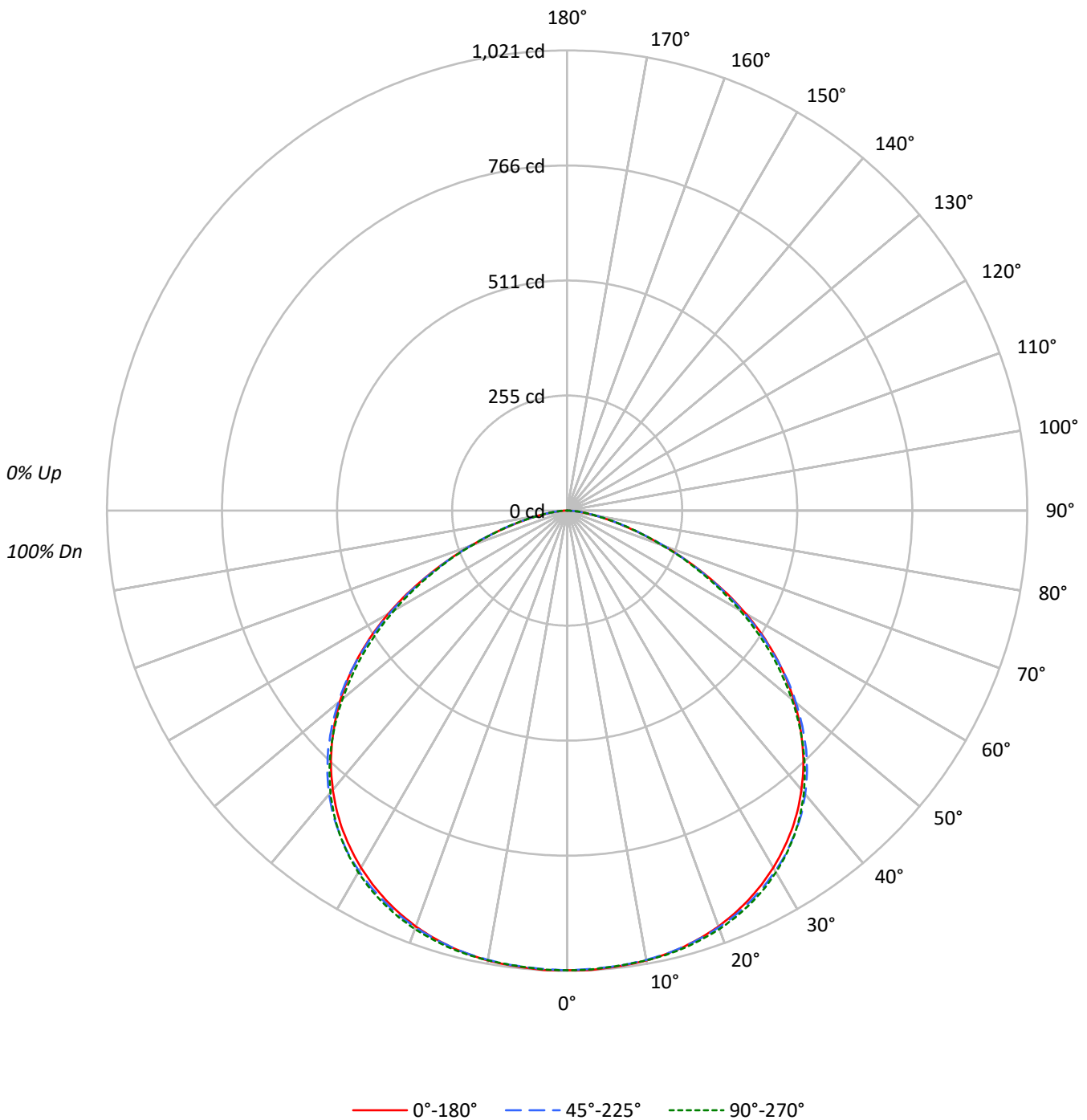
Test Method: LM-79-08  
Report Number: P738172  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PW1-L935  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2948.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 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

TEST NUMBER: P738172  
CATALOG NUMBER: 22PT-35-PW1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738172

CATALOG NUMBER: 22PT-35-PW1-L935

**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°	2988	2988	2988
5°	2996	2992	2993
10°	3016	3012	3015
15°	3039	3038	3047
20°	3062	3069	3081
25°	3080	3098	3112
30°	3095	3125	3136
35°	3103	3143	3145
40°	3094	3144	3126
45°	3063	3107	3069
50°	3001	3022	2967
55°	2884	2871	2817
60°	2685	2655	2600
65°	2368	2345	2300
70°	1940	1948	1908
75°	1469	1518	1507
80°	1065	1107	1088
85°	696	723	773



TEST NUMBER: P738172

CATALOG NUMBER: 22PT-35-PW1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	3.3
10°-20°	283.2	9.6
20°-30°	441.6	15.0
30°-40°	547.3	18.6
40°-50°	572.7	19.4
50°-60°	499.1	16.9
60°-70°	334.3	11.3
70°-80°	144.9	4.9
80°-90°	27.9	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°	821.8	27.9
0°-40°	1369.1	46.4
0°-60°	2440.9	82.8
0°-90°	2948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1020	1020	1020	1020	1020	
5°	1019	1018	1017	1017	1018	97
15°	1002	1000	1002	1003	1005	283
25°	953	953	958	961	963	439
35°	868	871	879	880	879	542
45°	739	743	750	744	741	569
55°	565	564	562	556	552	503
65°	342	340	338	335	332	338
75°	130	132	134	133	133	143
85°	21	22	22	22	23	27
90°	0	0	0	0	0	



TEST NUMBER: P738172

CATALOG NUMBER: 22PT-35-PW1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1019.9	1019.9	1019.9	1019.9	1019.9
2.5°	1020.9	1019.1	1018.7	1018.7	1019.9
5°	1018.7	1017.6	1017.3	1017.0	1017.6
7.5°	1016.6	1015.1	1015.5	1014.7	1015.5
10°	1013.7	1012.2	1012.2	1012.2	1013.3
12.5°	1008.5	1007.5	1007.9	1008.5	1010.0
15°	1001.9	1000.5	1001.6	1002.7	1004.6
17.5°	992.8	991.8	993.6	995.4	996.9
20°	982.0	980.8	984.1	986.7	988.2
22.5°	968.4	968.1	972.5	975.4	976.5
25°	952.8	953.1	958.2	961.1	962.6
27.5°	934.9	935.7	942.2	944.8	946.2
30°	914.9	916.7	923.6	925.8	926.9
32.5°	892.2	894.9	903.2	904.6	904.6
35°	867.5	870.7	878.8	879.8	879.2
37.5°	839.8	843.4	852.5	851.1	850.0
40°	808.8	812.8	821.9	819.0	817.2
42.5°	775.7	779.6	787.7	783.3	780.7
45°	739.2	743.2	749.8	743.6	740.7
47.5°	699.8	704.5	707.8	700.9	697.3
50°	658.3	659.8	663.0	655.0	650.9
52.5°	613.0	613.0	615.7	606.8	602.1
55°	564.6	564.2	562.1	555.9	551.5
57.5°	513.2	511.0	509.5	503.0	497.9
60°	458.2	454.9	453.0	447.6	443.6
62.5°	400.6	398.8	396.6	392.2	387.8
65°	341.5	339.7	338.2	335.0	331.7
67.5°	282.9	281.7	281.7	279.6	279.2
70°	226.4	227.1	227.4	227.4	222.7
72.5°	175.3	175.7	177.5	176.1	175.7
75°	129.8	132.0	134.1	133.1	133.1
77.5°	93.3	96.6	96.6	95.8	94.8
80°	63.1	64.5	65.6	65.2	64.5
82.5°	40.1	41.2	40.1	40.8	41.2
85°	20.7	22.2	21.5	21.9	23.0
87.5°	6.9	7.7	8.0	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)