

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: P738171

Luminaire Tested: **22PT-35-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738171
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-L930
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

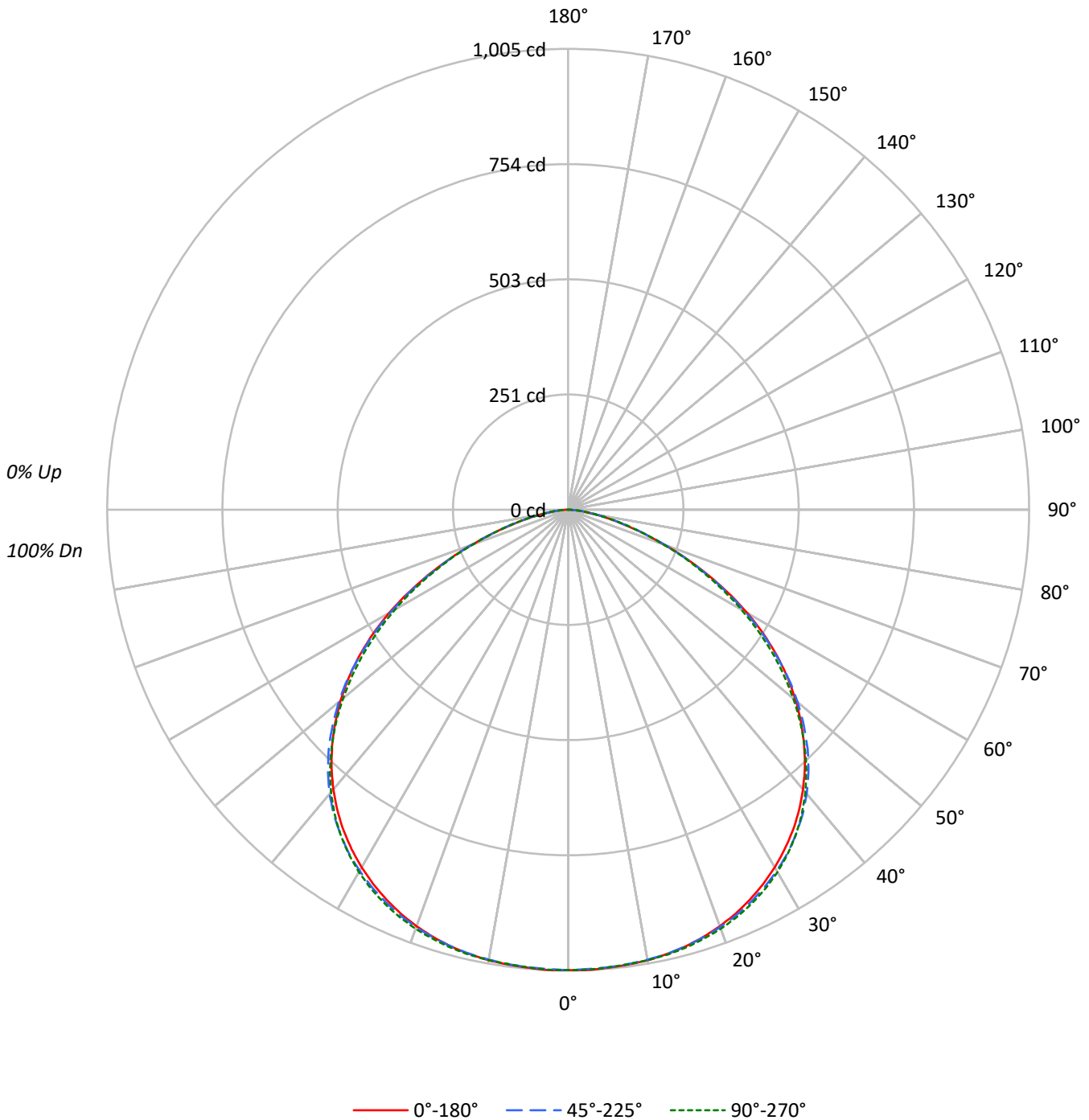
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2902.0 lumens
Efficiency: N/A
Efficacy: 110.3 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 (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	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°	2942	2942	2942
5°	2949	2945	2947
10°	2969	2965	2968
15°	2992	2991	3000
20°	3014	3021	3033
25°	3032	3050	3064
30°	3047	3076	3087
35°	3055	3094	3095
40°	3045	3095	3077
45°	3015	3058	3021
50°	2954	2975	2921
55°	2839	2826	2773
60°	2643	2614	2559
65°	2331	2308	2264
70°	1909	1918	1878
75°	1446	1494	1483
80°	1048	1090	1071
85°	686	713	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	3.3
10°-20°	278.8	9.6
20°-30°	434.7	15.0
30°-40°	538.8	18.6
40°-50°	563.8	19.4
50°-60°	491.3	16.9
60°-70°	329.1	11.3
70°-80°	142.7	4.9
80°-90°	27.5	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°	809.0	27.9
0°-40°	1347.7	46.4
0°-60°	2402.8	82.8
0°-90°	2902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1004	1004	1004	1004	1004	
5°	1003	1002	1001	1001	1002	96
15°	986	985	986	987	989	279
25°	938	938	943	946	948	432
35°	854	857	865	866	865	534
45°	728	732	738	732	729	560
55°	556	555	553	547	543	495
65°	336	334	333	330	326	333
75°	128	130	132	131	131	141
85°	20	22	21	22	23	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	1005.0	1003.2	1002.8	1002.8	1004.0
5°	1002.8	1001.8	1001.4	1001.1	1001.8
7.5°	1000.7	999.3	999.7	998.9	999.7
10°	997.8	996.4	996.4	996.4	997.5
12.5°	992.8	991.7	992.1	992.8	994.2
15°	986.3	984.9	986.0	987.1	988.9
17.5°	977.3	976.3	978.1	979.9	981.3
20°	966.7	965.5	968.8	971.3	972.8
22.5°	953.3	953.0	957.3	960.2	961.2
25°	937.9	938.2	943.3	946.1	947.6
27.5°	920.3	921.1	927.5	930.0	931.5
30°	900.6	902.4	909.2	911.3	912.5
32.5°	878.3	880.9	889.1	890.5	890.5
35°	854.0	857.1	865.1	866.1	865.4
37.5°	826.7	830.2	839.2	837.8	836.7
40°	796.2	800.1	809.1	806.2	804.5
42.5°	763.6	767.5	775.4	771.1	768.5
45°	727.7	731.6	738.1	732.0	729.1
47.5°	688.9	693.5	696.8	690.0	686.4
50°	648.0	649.5	652.7	644.8	640.8
52.5°	603.5	603.5	606.1	597.4	592.7
55°	555.8	555.4	553.3	547.2	542.9
57.5°	505.2	503.0	501.6	495.1	490.1
60°	451.0	447.8	446.0	440.6	436.6
62.5°	394.4	392.6	390.4	386.1	381.8
65°	336.2	334.4	332.9	329.8	326.5
67.5°	278.5	277.3	277.3	275.2	274.8
70°	222.8	223.5	223.9	223.9	219.2
72.5°	172.6	173.0	174.8	173.3	173.0
75°	127.7	129.9	132.0	131.0	131.0
77.5°	91.9	95.1	95.1	94.3	93.3
80°	62.1	63.5	64.6	64.2	63.5
82.5°	39.5	40.5	39.5	40.2	40.5
85°	20.4	21.8	21.2	21.6	22.6
87.5°	6.8	7.5	7.9	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)