

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: P738148

Luminaire Tested: **22PT-35-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PL1-L935
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

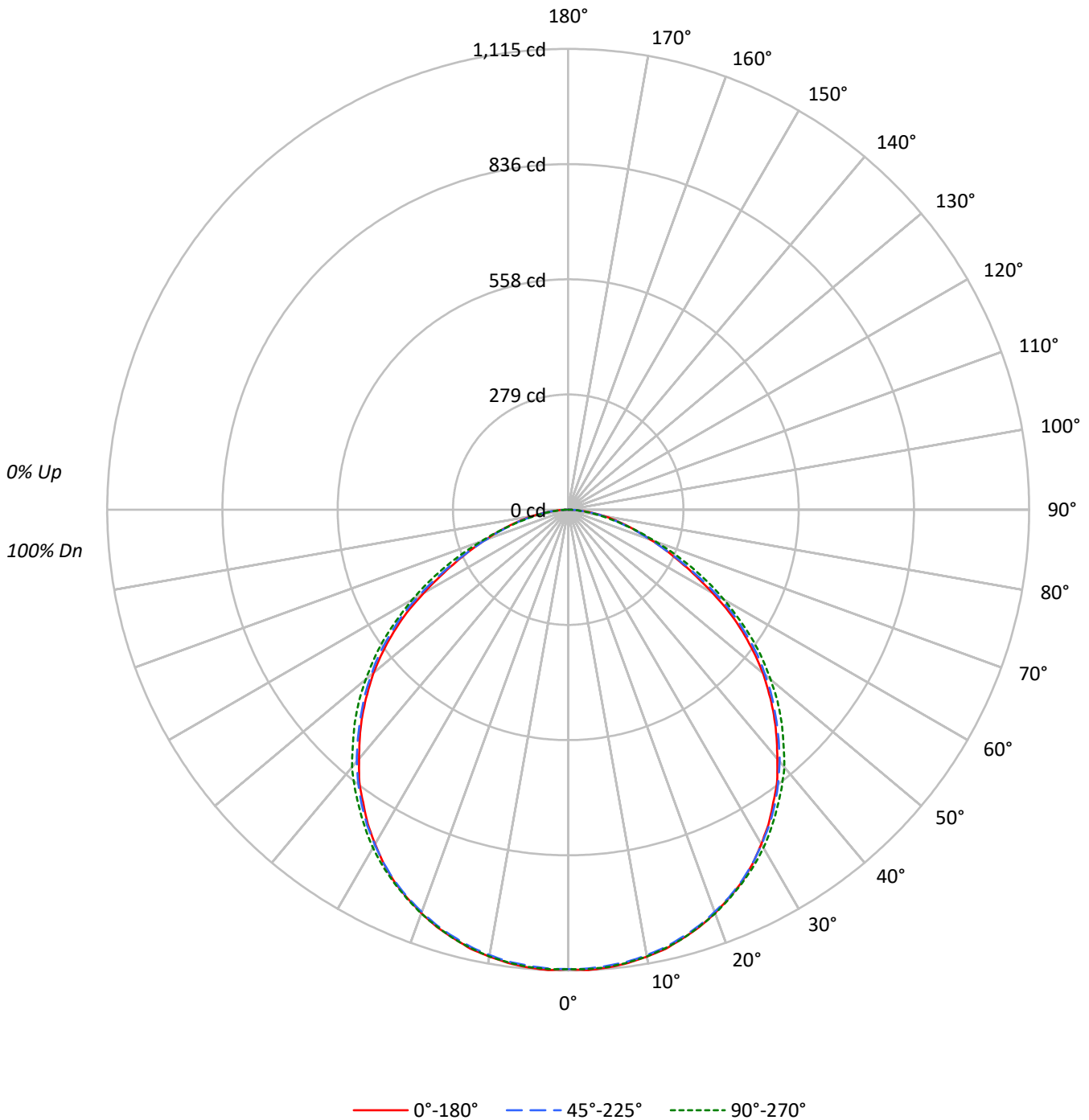
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2929.0 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	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°	3257	3257	3257
5°	3270	3257	3266
10°	3267	3256	3264
15°	3256	3246	3257
20°	3239	3229	3242
25°	3213	3207	3221
30°	3160	3166	3196
35°	3093	3115	3152
40°	3009	3043	3111
45°	2917	2942	3025
50°	2801	2835	2912
55°	2630	2683	2767
60°	2365	2445	2549
65°	2072	2114	2273
70°	1819	1803	1919
75°	1636	1567	1572
80°	1468	1389	1239
85°	1163	1146	945



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	3.6
10°-20°	302.3	10.3
20°-30°	457.3	15.6
30°-40°	545.2	18.6
40°-50°	550.5	18.8
50°-60°	469.6	16.0
60°-70°	308.6	10.5
70°-80°	151.1	5.2
80°-90°	38.9	1.3
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°	865.1	29.5
0°-40°	1410.3	48.1
0°-60°	2430.4	83.0
0°-90°	2929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1112	1109	1108	1108	1110	106
15°	1073	1072	1070	1070	1074	303
25°	994	992	992	993	996	457
35°	865	867	871	877	881	541
45°	704	706	710	724	730	542
55°	515	518	525	537	542	458
65°	299	299	305	319	328	299
75°	144	143	138	138	139	155
85°	35	35	34	31	28	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1111.7	1111.7	1111.7	1111.7	1111.7
2.5°	1115.0	1112.6	1111.2	1110.3	1112.6
5°	1111.7	1109.4	1107.5	1107.5	1110.3
7.5°	1106.5	1104.2	1102.8	1102.3	1105.1
10°	1098.1	1095.3	1094.4	1093.9	1097.2
12.5°	1088.3	1084.1	1084.1	1083.6	1086.9
15°	1073.3	1071.5	1070.1	1070.5	1073.8
17.5°	1057.9	1056.0	1055.1	1055.1	1057.0
20°	1038.7	1036.4	1035.5	1036.4	1039.7
22.5°	1016.8	1015.3	1015.3	1016.3	1018.6
25°	993.8	991.5	992.0	993.4	996.2
27.5°	965.8	965.3	965.3	968.6	971.9
30°	934.0	934.0	935.8	940.5	944.7
32.5°	901.7	901.2	905.0	909.2	913.9
35°	864.8	867.1	870.8	876.9	881.1
37.5°	830.1	829.7	834.4	845.1	847.9
40°	786.7	789.9	795.5	806.3	813.3
42.5°	746.0	748.3	753.4	766.1	770.7
45°	703.9	705.7	709.9	724.0	730.1
47.5°	659.4	661.8	667.9	679.5	686.6
50°	614.5	617.8	622.0	633.2	638.9
52.5°	565.4	569.6	577.1	587.4	591.6
55°	514.9	517.7	525.2	537.4	541.6
57.5°	462.1	464.4	475.2	484.1	487.3
60°	403.6	406.4	417.2	431.2	434.9
62.5°	348.4	350.8	360.1	377.0	382.6
65°	298.9	298.9	304.9	319.0	327.8
67.5°	254.9	254.0	254.9	265.6	275.0
70°	212.3	212.8	210.5	217.0	224.0
72.5°	177.3	177.3	172.6	173.5	179.1
75°	144.5	143.1	138.4	137.5	138.9
77.5°	115.5	113.2	109.4	106.6	103.4
80°	87.0	85.1	82.3	78.1	73.4
82.5°	60.8	58.9	57.1	54.7	50.0
85°	34.6	34.6	34.1	31.3	28.1
87.5°	14.0	13.6	13.1	12.6	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)