

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: P738147

Luminaire Tested: **22PT-35-PL1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738147
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-L930
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

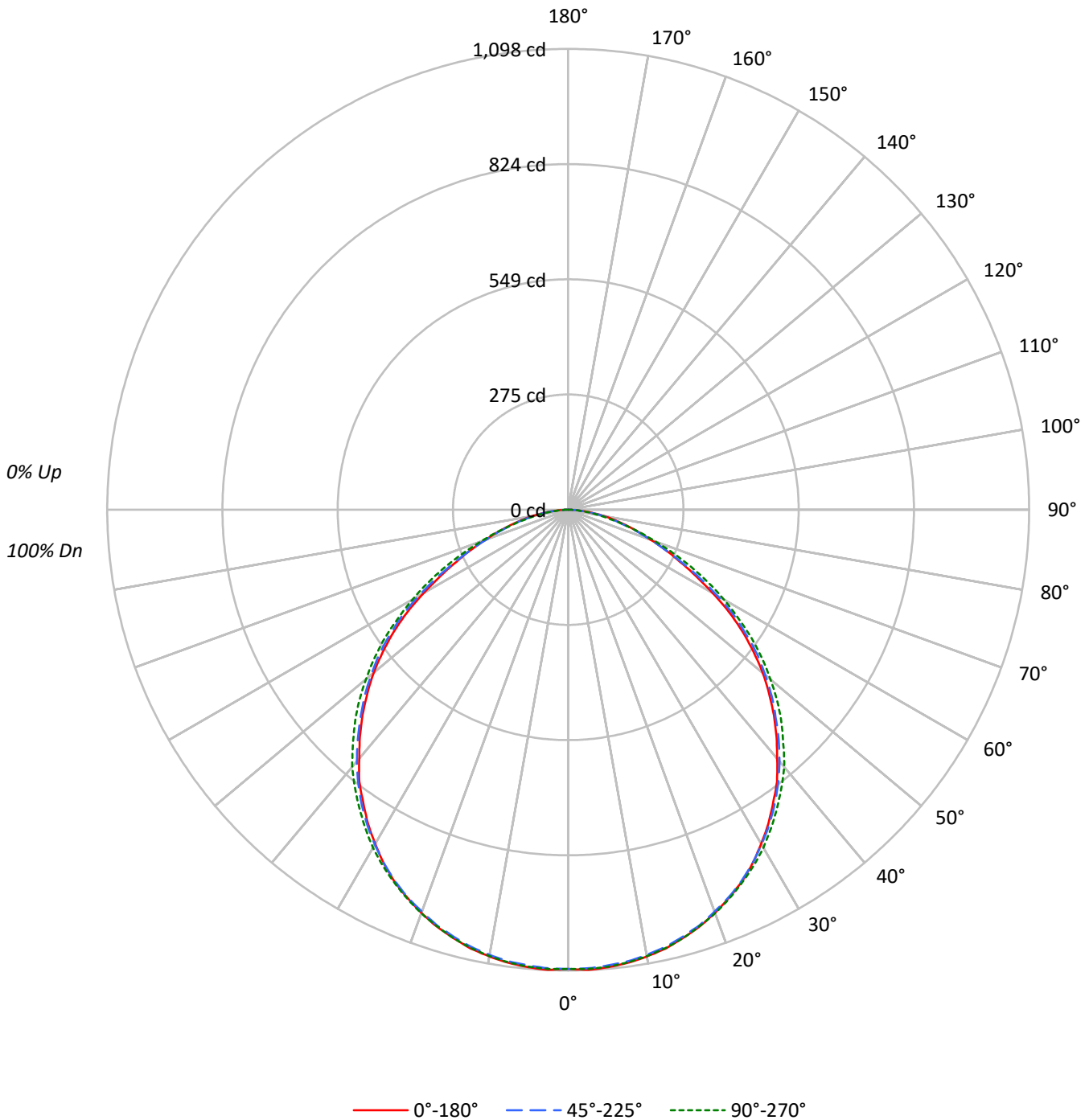
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2883.0 lumens
Efficiency: N/A
Efficacy: 109.6 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 (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	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°	3206	3206	3206
5°	3218	3206	3214
10°	3216	3205	3213
15°	3205	3195	3206
20°	3188	3178	3191
25°	3162	3157	3170
30°	3110	3116	3146
35°	3045	3066	3102
40°	2962	2995	3062
45°	2871	2896	2978
50°	2757	2791	2866
55°	2589	2641	2723
60°	2328	2406	2509
65°	2040	2081	2237
70°	1790	1775	1889
75°	1610	1543	1548
80°	1444	1367	1220
85°	1146	1130	928



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	3.6
10°-20°	297.6	10.3
20°-30°	450.1	15.6
30°-40°	536.7	18.6
40°-50°	541.8	18.8
50°-60°	462.2	16.0
60°-70°	303.8	10.5
70°-80°	148.7	5.2
80°-90°	38.3	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°	851.5	29.5
0°-40°	1388.1	48.1
0°-60°	2392.2	83.0
0°-90°	2883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1094	1094	1094	1094	1094	
5°	1094	1092	1090	1090	1093	104
15°	1056	1055	1053	1054	1057	298
25°	978	976	976	978	980	450
35°	851	854	857	863	867	533
45°	693	695	699	713	719	534
55°	507	510	517	529	533	451
65°	294	294	300	314	323	294
75°	142	141	136	135	137	152
85°	34	34	34	31	28	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1094.2	1094.2	1094.2	1094.2	1094.2
2.5°	1097.5	1095.2	1093.8	1092.9	1095.2
5°	1094.2	1091.9	1090.1	1090.1	1092.9
7.5°	1089.2	1086.9	1085.5	1085.0	1087.8
10°	1080.9	1078.1	1077.2	1076.7	1080.0
12.5°	1071.2	1067.1	1067.1	1066.6	1069.8
15°	1056.5	1054.6	1053.3	1053.7	1056.9
17.5°	1041.3	1039.5	1038.5	1038.5	1040.4
20°	1022.4	1020.1	1019.2	1020.1	1023.3
22.5°	1000.8	999.4	999.4	1000.3	1002.6
25°	978.2	975.9	976.4	977.8	980.5
27.5°	950.6	950.1	950.1	953.4	956.6
30°	919.3	919.3	921.1	925.7	929.9
32.5°	887.5	887.1	890.8	894.9	899.5
35°	851.2	853.5	857.2	863.1	867.3
37.5°	817.1	816.6	821.3	831.8	834.6
40°	774.3	777.5	783.0	793.6	800.5
42.5°	734.2	736.5	741.6	754.0	758.6
45°	692.8	694.7	698.8	712.6	718.6
47.5°	649.1	651.4	657.4	668.9	675.8
50°	604.9	608.1	612.3	623.3	628.8
52.5°	556.6	560.7	568.1	578.2	582.3
55°	506.8	509.6	517.0	528.9	533.1
57.5°	454.8	457.1	467.7	476.5	479.7
60°	397.3	400.0	410.6	424.4	428.1
62.5°	343.0	345.3	354.5	371.0	376.6
65°	294.2	294.2	300.1	314.0	322.7
67.5°	250.9	250.0	250.9	261.5	270.7
70°	209.0	209.5	207.2	213.6	220.5
72.5°	174.5	174.5	169.9	170.8	176.3
75°	142.2	140.9	136.3	135.3	136.7
77.5°	113.7	111.4	107.7	105.0	101.7
80°	85.6	83.8	81.0	76.9	72.3
82.5°	59.8	58.0	56.2	53.9	49.3
85°	34.1	34.1	33.6	30.8	27.6
87.5°	13.8	13.3	12.9	12.4	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)