

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: P737798

Luminaire Tested: **14PT-30-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PW1-L950
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

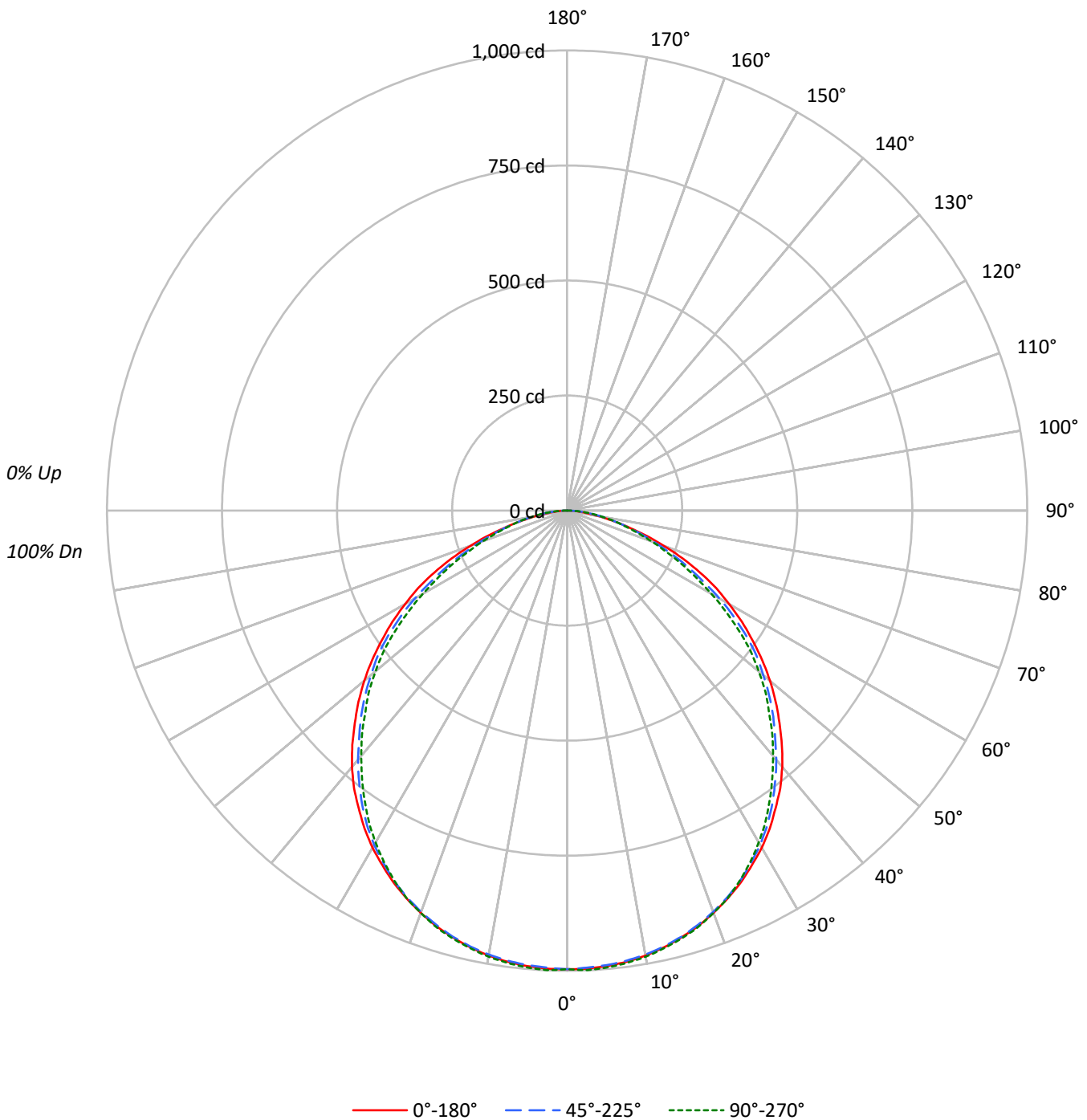
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2645.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2988	2988	2988
5°	2991	2984	3000
10°	2989	2983	2997
15°	2980	2976	2987
20°	2968	2961	2968
25°	2951	2939	2937
30°	2929	2903	2883
35°	2890	2846	2810
40°	2846	2768	2724
45°	2767	2685	2630
50°	2684	2596	2535
55°	2571	2484	2386
60°	2438	2294	2174
65°	2256	2049	1947
70°	1956	1784	1715
75°	1561	1527	1484
80°	1186	1326	1326
85°	877	1132	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	3.6
10°-20°	271.1	10.2
20°-30°	409.7	15.5
30°-40°	486.5	18.4
40°-50°	490.2	18.5
50°-60°	423.7	16.0
60°-70°	289.6	10.9
70°-80°	142.8	5.4
80°-90°	36.9	1.4
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°	775.4	29.3
0°-40°	1261.9	47.7
0°-60°	2175.7	82.3
0°-90°	2645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2645.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	994	994	992	996	997	94
15°	960	961	959	962	962	271
25°	892	892	888	889	888	411
35°	790	787	778	771	768	494
45°	652	646	633	626	620	504
55°	492	490	475	461	456	440
65°	318	306	289	276	274	314
75°	135	134	132	132	128	147
85°	26	30	33	34	33	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.7	996.7	996.7	996.7	996.7
2.5°	996.4	996.7	994.1	998.6	999.7
5°	993.8	994.1	991.6	995.6	996.7
7.5°	989.0	989.7	986.7	990.8	991.6
10°	981.9	982.3	979.7	983.8	984.5
12.5°	972.3	972.7	970.5	974.2	974.2
15°	960.2	961.3	958.7	962.0	962.4
17.5°	946.5	946.9	944.3	948.0	948.7
20°	930.2	930.2	928.0	931.0	930.2
22.5°	912.2	912.2	909.6	911.0	911.8
25°	892.2	891.5	888.5	889.3	887.8
27.5°	869.3	869.3	864.1	864.1	861.6
30°	846.0	844.2	838.7	835.3	832.8
32.5°	819.5	816.9	809.9	803.9	802.1
35°	789.5	787.0	777.7	770.7	767.8
37.5°	760.7	754.8	742.6	735.6	732.3
40°	727.1	719.8	707.2	697.6	696.1
42.5°	690.9	685.0	668.8	661.8	659.9
45°	652.5	645.5	633.3	626.0	620.4
47.5°	614.9	609.7	595.7	586.8	585.0
50°	575.4	570.9	556.5	546.9	543.6
52.5°	534.4	531.4	519.2	507.0	503.0
55°	491.9	490.4	475.3	461.2	456.4
57.5°	450.2	448.3	429.5	413.2	408.8
60°	406.6	401.1	382.6	367.4	362.6
62.5°	365.2	353.4	333.5	321.7	316.1
65°	318.0	306.5	288.8	276.2	274.4
67.5°	271.4	257.8	244.1	236.3	230.4
70°	223.1	213.8	203.5	196.8	195.7
72.5°	178.0	171.4	166.2	162.1	158.8
75°	134.8	133.7	131.8	131.8	128.1
77.5°	99.0	101.6	103.0	102.7	103.4
80°	68.7	73.9	76.8	77.2	76.8
82.5°	43.6	49.5	54.3	55.0	55.8
85°	25.5	29.9	32.9	33.6	32.9
87.5°	11.4	14.4	15.1	15.9	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)