

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: P737796

Luminaire Tested: **14PT-30-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737796
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-L935
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

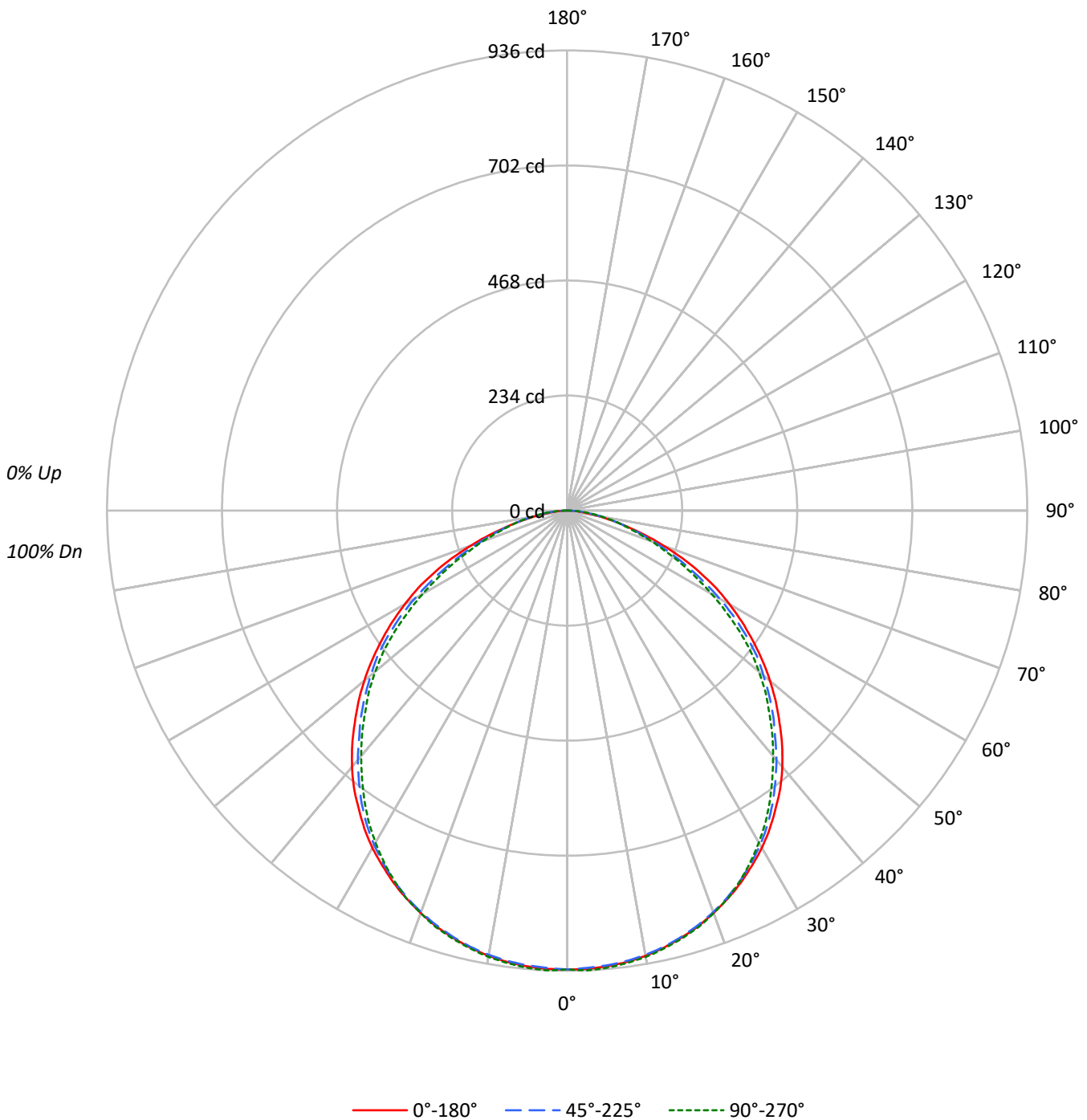
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2477.0 lumens
Efficiency: N/A
Efficacy: 105.9 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 (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	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°	2798	2798	2798
5°	2801	2795	2809
10°	2800	2793	2807
15°	2791	2787	2797
20°	2780	2773	2780
25°	2764	2753	2750
30°	2743	2719	2700
35°	2706	2666	2632
40°	2665	2592	2551
45°	2591	2515	2463
50°	2513	2431	2375
55°	2408	2327	2235
60°	2283	2148	2036
65°	2113	1918	1823
70°	1831	1671	1607
75°	1462	1431	1390
80°	1110	1241	1241
85°	822	1059	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.6
10°-20°	253.9	10.2
20°-30°	383.7	15.5
30°-40°	455.6	18.4
40°-50°	459.0	18.5
50°-60°	396.8	16.0
60°-70°	271.2	10.9
70°-80°	133.7	5.4
80°-90°	34.6	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°	726.1	29.3
0°-40°	1181.7	47.7
0°-60°	2037.5	82.3
0°-90°	2477.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2477.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	931	931	929	932	933	88
15°	899	900	898	901	901	254
25°	836	835	832	833	831	385
35°	739	737	728	722	719	463
45°	611	604	593	586	581	472
55°	461	459	445	432	428	412
65°	298	287	270	259	257	294
75°	126	125	124	124	120	138
85°	24	28	31	32	31	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.4	933.4	933.4	933.4	933.4
2.5°	933.1	933.4	931.0	935.1	936.2
5°	930.6	931.0	928.6	932.4	933.4
7.5°	926.2	926.8	924.1	927.9	928.6
10°	919.6	919.9	917.5	921.3	922.0
12.5°	910.6	910.9	908.9	912.3	912.3
15°	899.2	900.2	897.8	900.9	901.2
17.5°	886.4	886.7	884.3	887.8	888.5
20°	871.2	871.2	869.1	871.9	871.2
22.5°	854.2	854.2	851.8	853.2	853.9
25°	835.5	834.8	832.1	832.8	831.4
27.5°	814.1	814.1	809.3	809.3	806.8
30°	792.3	790.6	785.4	782.3	779.9
32.5°	767.4	765.0	758.4	752.9	751.2
35°	739.4	737.0	728.3	721.8	719.0
37.5°	712.4	706.9	695.5	688.9	685.8
40°	681.0	674.0	662.3	653.3	651.9
42.5°	647.1	641.5	626.3	619.7	618.0
45°	611.1	604.5	593.1	586.2	581.0
47.5°	575.8	571.0	557.8	549.5	547.8
50°	538.8	534.7	521.2	512.2	509.1
52.5°	500.4	497.7	486.2	474.8	471.0
55°	460.7	459.3	445.1	431.9	427.5
57.5°	421.6	419.8	402.2	387.0	382.8
60°	380.8	375.6	358.3	344.1	339.6
62.5°	342.0	331.0	312.3	301.2	296.0
65°	297.8	287.0	270.4	258.7	257.0
67.5°	254.2	241.4	228.6	221.3	215.8
70°	208.9	200.2	190.6	184.3	183.3
72.5°	166.7	160.5	155.6	151.8	148.7
75°	126.2	125.2	123.5	123.5	120.0
77.5°	92.7	95.1	96.5	96.1	96.8
80°	64.3	69.2	71.9	72.3	71.9
82.5°	40.8	46.3	50.8	51.5	52.2
85°	23.9	28.0	30.8	31.5	30.8
87.5°	10.7	13.5	14.2	14.9	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)