

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: P737797

Luminaire Tested: **14PT-30-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737797
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-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

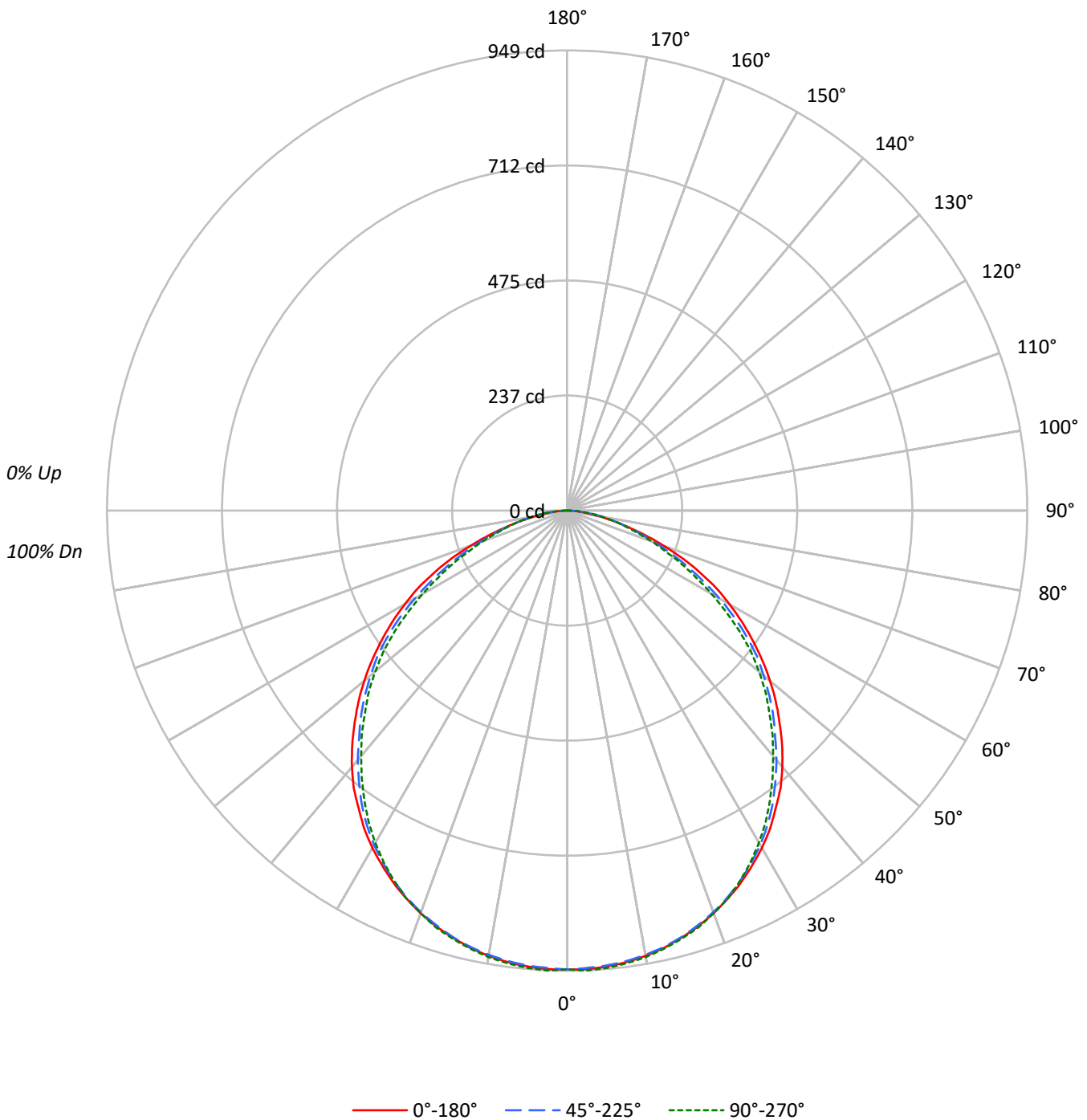
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2512.0 lumens
Efficiency: N/A
Efficacy: 107.4 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	47	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°	2838	2838	2838
5°	2840	2834	2849
10°	2839	2833	2846
15°	2830	2826	2837
20°	2819	2812	2819
25°	2803	2791	2789
30°	2782	2757	2738
35°	2744	2703	2669
40°	2703	2628	2587
45°	2627	2550	2498
50°	2549	2465	2408
55°	2442	2359	2266
60°	2315	2178	2065
65°	2142	1946	1849
70°	1857	1694	1630
75°	1483	1450	1410
80°	1126	1260	1260
85°	832	1073	1073



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.6
10°-20°	257.5	10.2
20°-30°	389.1	15.5
30°-40°	462.1	18.4
40°-50°	465.5	18.5
50°-60°	402.4	16.0
60°-70°	275.0	10.9
70°-80°	135.6	5.4
80°-90°	35.1	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°	736.4	29.3
0°-40°	1198.4	47.7
0°-60°	2066.3	82.3
0°-90°	2512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	944	944	942	946	947	90
15°	912	913	910	914	914	257
25°	847	847	844	844	843	390
35°	750	747	739	732	729	469
45°	620	613	602	594	589	478
55°	467	466	451	438	434	418
65°	302	291	274	262	261	298
75°	128	127	125	125	122	139
85°	24	28	31	32	31	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.6	946.6	946.6	946.6	946.6
2.5°	946.3	946.6	944.1	948.4	949.4
5°	943.8	944.1	941.7	945.5	946.6
7.5°	939.2	939.9	937.1	941.0	941.7
10°	932.6	932.9	930.5	934.3	935.0
12.5°	923.5	923.8	921.7	925.2	925.2
15°	911.9	912.9	910.5	913.6	914.0
17.5°	898.9	899.3	896.8	900.3	901.0
20°	883.5	883.5	881.4	884.2	883.5
22.5°	866.3	866.3	863.8	865.2	865.9
25°	847.3	846.6	843.8	844.5	843.1
27.5°	825.6	825.6	820.7	820.7	818.2
30°	803.5	801.8	796.5	793.3	790.9
32.5°	778.3	775.8	769.1	763.5	761.8
35°	749.8	747.4	738.6	732.0	729.2
37.5°	722.5	716.9	705.3	698.6	695.5
40°	690.6	683.6	671.6	662.5	661.1
42.5°	656.2	650.6	635.2	628.5	626.7
45°	619.7	613.1	601.5	594.5	589.2
47.5°	584.0	579.0	565.7	557.3	555.5
50°	546.4	542.2	528.5	519.4	516.3
52.5°	507.5	504.7	493.1	481.5	477.7
55°	467.2	465.8	451.4	438.1	433.5
57.5°	427.5	425.8	407.9	392.5	388.3
60°	386.1	380.9	363.3	349.0	344.4
62.5°	346.9	335.6	316.7	305.5	300.2
65°	302.0	291.1	274.3	262.3	260.6
67.5°	257.8	244.8	231.8	224.5	218.9
70°	211.8	203.1	193.2	186.9	185.9
72.5°	169.0	162.7	157.8	154.0	150.8
75°	128.0	127.0	125.2	125.2	121.7
77.5°	94.0	96.4	97.9	97.5	98.2
80°	65.2	70.1	73.0	73.3	73.0
82.5°	41.4	47.0	51.6	52.3	53.0
85°	24.2	28.4	31.2	31.9	31.2
87.5°	10.9	13.7	14.4	15.1	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)