

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: P737781

Luminaire Tested: **14PT-30-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PP3-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

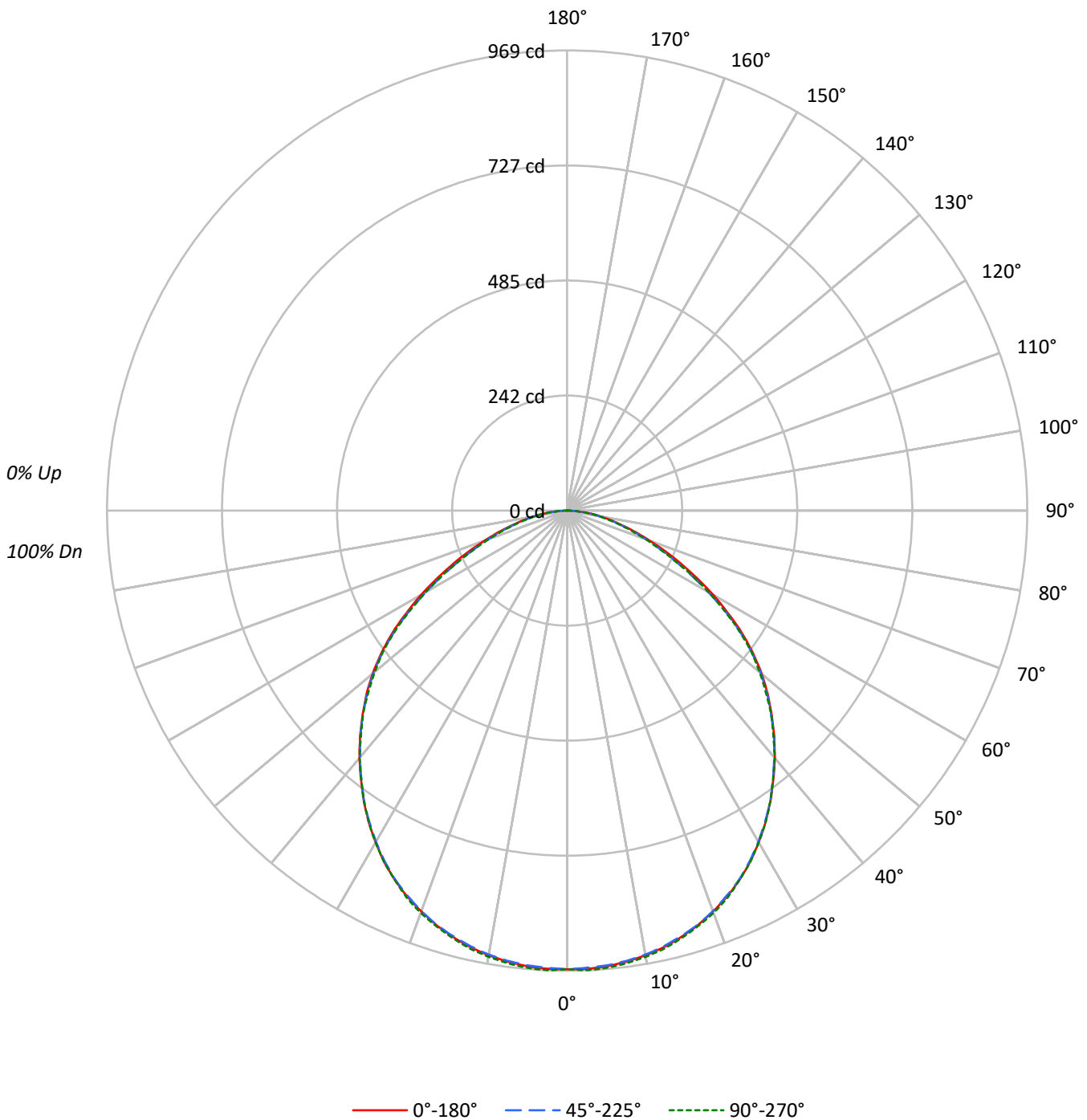
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2496.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2896	2896	2896
5°	2899	2892	2908
10°	2895	2891	2905
15°	2885	2880	2893
20°	2866	2864	2876
25°	2841	2836	2840
30°	2793	2787	2793
35°	2732	2729	2731
40°	2662	2654	2661
45°	2583	2575	2578
50°	2496	2484	2466
55°	2350	2322	2315
60°	2132	2060	2064
65°	1873	1778	1776
70°	1620	1546	1528
75°	1402	1348	1321
80°	1241	1222	1169
85°	1025	1063	1001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	3.7
10°-20°	262.5	10.5
20°-30°	395.1	15.8
30°-40°	466.4	18.7
40°-50°	469.0	18.8
50°-60°	396.0	15.9
60°-70°	254.3	10.2
70°-80°	126.5	5.1
80°-90°	34.7	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°	749.2	30.0
0°-40°	1215.6	48.7
0°-60°	2080.6	83.4
0°-90°	2496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	966	966	966	966	966	
5°	963	964	961	966	966	92
15°	930	930	928	932	932	262
25°	859	859	857	859	858	395
35°	746	747	746	746	746	467
45°	609	611	607	608	608	470
55°	450	449	444	442	443	400
65°	264	260	251	248	250	263
75°	121	120	116	115	114	131
85°	30	31	31	29	29	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	966.0	966.0	966.0	966.0	966.0
2.5°	965.7	966.0	963.5	968.1	968.8
5°	963.2	963.5	961.1	965.7	966.4
7.5°	958.3	958.6	956.5	960.7	961.4
10°	950.9	952.0	949.5	953.4	954.1
12.5°	941.8	942.2	939.7	944.3	945.0
15°	929.5	929.9	927.8	932.0	932.0
17.5°	915.5	915.9	914.5	918.0	917.6
20°	898.3	899.4	897.6	900.1	901.5
22.5°	879.7	880.1	878.0	881.2	882.6
25°	858.7	859.1	857.3	859.1	858.4
27.5°	834.2	834.9	832.4	834.2	834.5
30°	806.8	808.6	805.1	806.5	806.8
32.5°	777.4	778.4	776.0	776.3	778.1
35°	746.5	746.9	745.5	746.2	746.2
37.5°	713.2	714.6	712.5	713.5	712.1
40°	680.2	678.8	678.1	678.8	679.9
42.5°	645.5	645.9	644.8	644.1	642.4
45°	609.1	611.2	607.3	608.0	608.0
47.5°	573.3	573.6	571.5	569.4	568.0
50°	535.1	535.1	532.6	530.9	528.8
52.5°	493.3	492.6	489.8	488.1	489.1
55°	449.5	449.2	444.3	442.5	442.9
57.5°	401.5	402.2	394.8	393.1	393.1
60°	355.5	352.0	343.6	341.2	344.3
62.5°	307.5	303.3	294.2	294.2	296.6
65°	264.0	260.2	250.7	248.3	250.4
67.5°	223.4	219.8	211.1	209.7	210.4
70°	184.8	181.6	176.4	173.2	174.3
72.5°	151.5	148.7	145.2	142.7	141.3
75°	121.0	120.3	116.4	115.4	114.0
77.5°	95.7	95.4	92.2	90.8	89.4
80°	71.9	71.5	70.8	68.7	67.7
82.5°	51.2	51.2	50.8	49.1	48.0
85°	29.8	30.9	30.9	29.1	29.1
87.5°	11.9	12.6	11.9	11.9	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)