

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: P737773

Luminaire Tested: **14PT-30-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PL1-L940
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

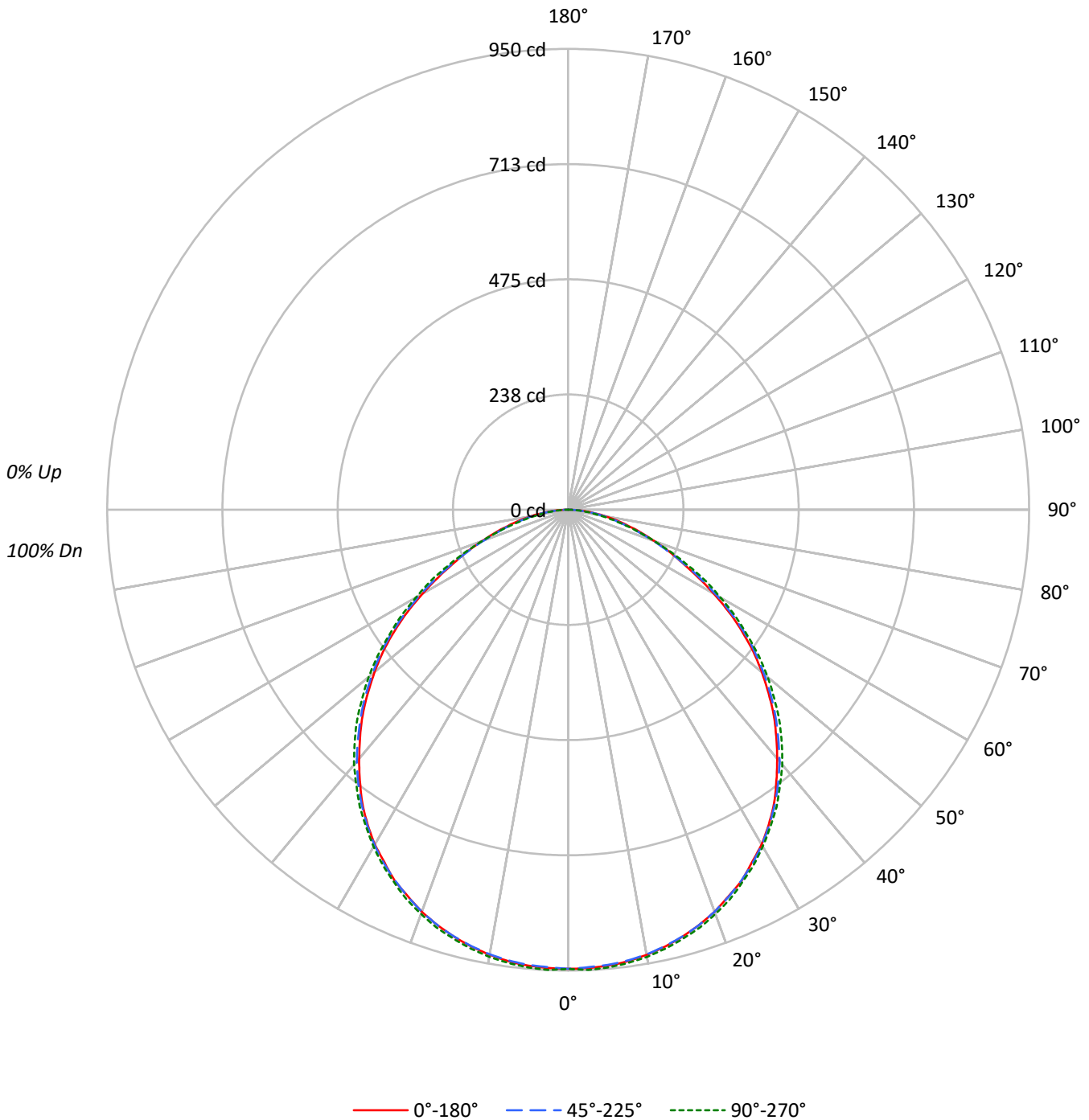
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2495.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	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	30	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°	2838	2838	2838
5°	2840	2835	2851
10°	2837	2833	2849
15°	2828	2827	2841
20°	2814	2814	2830
25°	2795	2791	2806
30°	2759	2763	2776
35°	2707	2717	2739
40°	2623	2653	2687
45°	2541	2562	2611
50°	2429	2455	2504
55°	2287	2324	2352
60°	2075	2120	2172
65°	1844	1864	1938
70°	1648	1614	1654
75°	1486	1402	1373
80°	1350	1253	1114
85°	1145	1039	894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	3.6
10°-20°	257.5	10.3
20°-30°	389.5	15.6
30°-40°	464.3	18.6
40°-50°	466.9	18.7
50°-60°	396.2	15.9
60°-70°	263.8	10.6
70°-80°	131.7	5.3
80°-90°	35.3	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°	736.8	29.5
0°-40°	1201.1	48.1
0°-60°	2064.2	82.7
0°-90°	2495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	944	944	942	946	947	90
15°	911	912	911	915	915	257
25°	845	845	844	848	848	388
35°	740	740	742	748	748	461
45°	599	600	604	612	616	461
55°	438	441	445	449	450	390
65°	260	262	263	266	273	260
75°	128	127	121	118	118	138
85°	33	33	30	28	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.5	946.5	946.5	946.5	946.5
2.5°	945.8	946.5	944.0	948.6	949.6
5°	943.7	944.0	941.9	946.1	947.2
7.5°	939.1	939.5	937.4	941.9	942.6
10°	931.8	932.5	930.7	934.9	936.0
12.5°	922.3	923.3	921.6	926.1	926.8
15°	911.1	912.1	910.7	914.6	915.3
17.5°	897.4	898.1	897.4	900.9	903.0
20°	882.0	882.0	882.0	885.1	886.9
22.5°	862.7	864.4	863.7	867.9	869.7
25°	844.8	844.8	843.7	847.6	848.3
27.5°	819.9	822.7	822.3	825.9	826.6
30°	797.1	797.8	798.1	800.6	802.0
32.5°	769.4	770.1	771.1	774.7	775.0
35°	739.6	740.3	742.4	747.7	748.4
37.5°	704.9	708.7	710.5	716.1	716.8
40°	670.2	672.6	677.9	683.8	686.6
42.5°	634.7	637.5	640.7	648.8	651.2
45°	599.3	600.4	604.2	612.3	615.8
47.5°	560.0	563.2	566.7	573.7	575.8
50°	520.8	524.3	526.4	532.7	536.9
52.5°	481.1	484.3	486.7	490.6	494.8
55°	437.6	440.8	444.7	448.9	449.9
57.5°	393.5	397.0	399.4	404.0	408.5
60°	346.1	350.0	353.5	357.7	362.3
62.5°	301.9	303.7	307.2	314.2	320.9
65°	259.9	262.0	262.7	266.5	273.2
67.5°	224.8	224.8	221.6	223.0	230.4
70°	188.0	186.6	184.1	182.7	188.7
72.5°	158.2	156.4	151.1	148.7	151.8
75°	128.3	126.6	121.0	118.2	118.5
77.5°	103.1	100.3	95.7	90.8	89.8
80°	78.2	77.1	72.6	68.0	64.5
82.5°	55.4	53.0	50.5	47.7	44.9
85°	33.3	32.6	30.2	28.4	26.0
87.5°	13.7	13.7	13.0	12.3	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)