

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: P738020

Luminaire Tested: **14PT-80-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PR1-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

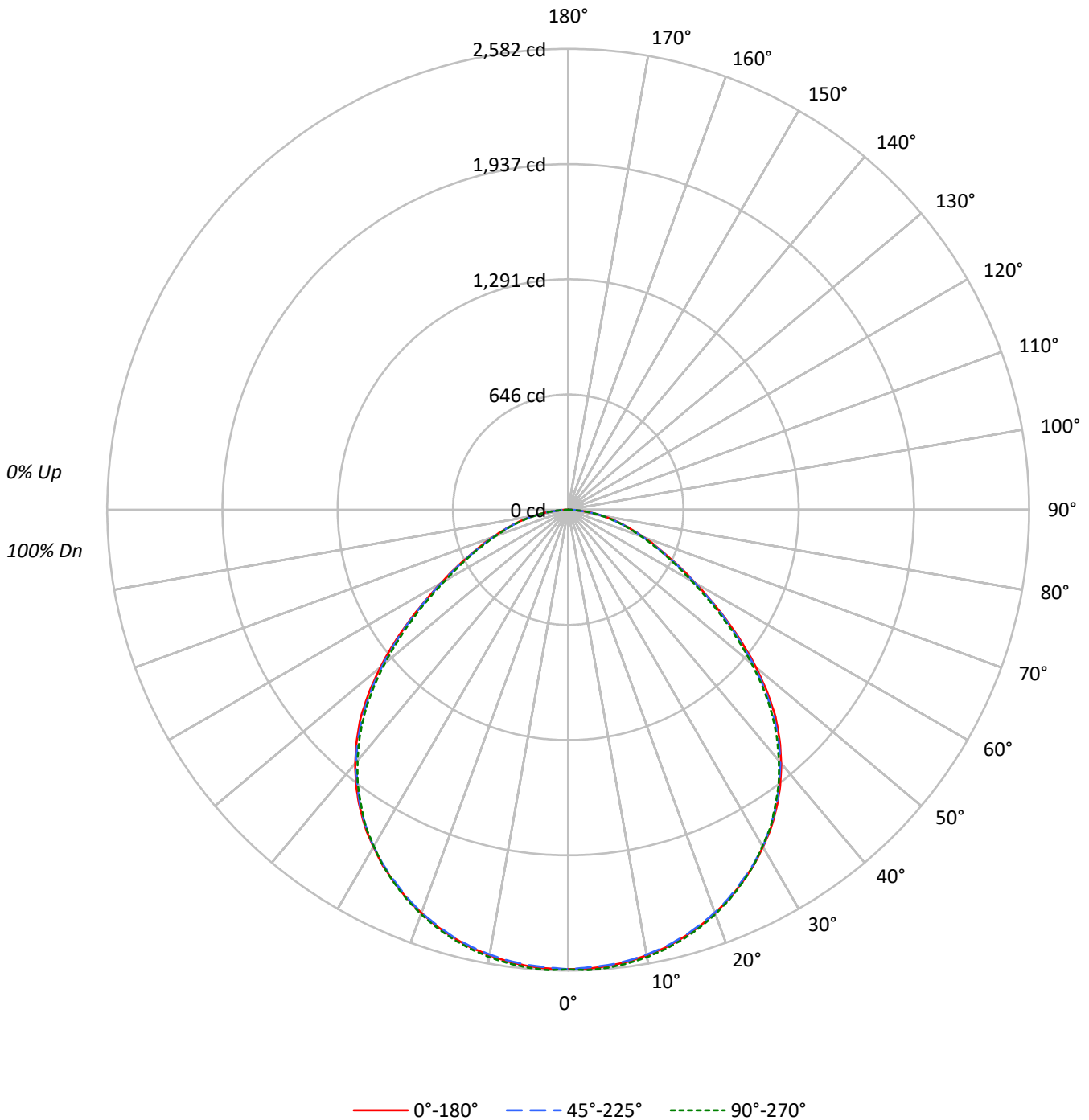
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6511.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7719	7719	7719
5°	7726	7709	7751
10°	7720	7706	7748
15°	7705	7693	7730
20°	7672	7664	7693
25°	7622	7604	7631
30°	7555	7546	7536
35°	7450	7433	7403
40°	7263	7234	7183
45°	6960	6882	6831
50°	6404	6331	6254
55°	5668	5643	5532
60°	4925	4908	4775
65°	4340	4314	4229
70°	3939	3882	3802
75°	3645	3560	3495
80°	3330	3282	3170
85°	2635	2604	2508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.2	3.8
10°-20°	701.0	10.8
20°-30°	1061.9	16.3
30°-40°	1267.7	19.5
40°-50°	1246.7	19.1
50°-60°	963.6	14.8
60°-70°	607.6	9.3
70°-80°	328.6	5.0
80°-90°	89.8	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°	2007.1	30.8
0°-40°	3274.8	50.3
0°-60°	5485.0	84.2
0°-90°	6511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2574	2574	2574	2574	2574	
5°	2567	2568	2562	2573	2576	244
15°	2482	2483	2479	2487	2491	701
25°	2304	2306	2299	2306	2307	1062
35°	2036	2037	2031	2028	2023	1271
45°	1642	1635	1623	1610	1611	1257
55°	1084	1094	1080	1062	1058	973
65°	612	613	608	598	596	616
75°	315	311	307	309	302	334
85°	77	78	76	77	73	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2574.5	2574.5	2574.5	2574.5	2574.5
2.5°	2573.6	2574.5	2567.2	2579.2	2581.9
5°	2567.2	2568.1	2561.6	2572.7	2575.5
7.5°	2554.2	2556.1	2549.6	2560.7	2563.5
10°	2535.8	2537.6	2531.2	2542.2	2545.0
12.5°	2512.7	2513.6	2508.1	2518.2	2521.0
15°	2482.3	2483.2	2478.6	2486.9	2490.6
17.5°	2447.2	2448.1	2441.7	2451.8	2453.7
20°	2404.7	2405.7	2402.0	2410.3	2411.2
22.5°	2357.7	2359.5	2354.0	2361.4	2362.3
25°	2304.2	2306.0	2298.6	2306.0	2306.9
27.5°	2247.9	2248.8	2242.3	2247.9	2247.0
30°	2182.4	2187.9	2179.6	2177.7	2176.8
32.5°	2114.1	2115.0	2106.7	2104.8	2108.5
35°	2035.6	2036.6	2031.0	2028.3	2022.7
37.5°	1949.8	1949.8	1939.7	1937.8	1936.9
40°	1855.7	1854.8	1848.3	1841.9	1835.4
42.5°	1753.3	1755.1	1742.2	1731.1	1729.3
45°	1641.6	1635.2	1623.2	1610.2	1611.2
47.5°	1509.7	1511.5	1494.9	1484.7	1482.0
50°	1373.1	1373.1	1357.4	1346.3	1340.8
52.5°	1230.1	1231.0	1216.2	1201.5	1198.7
55°	1084.3	1093.5	1079.6	1062.1	1058.4
57.5°	947.7	955.1	942.2	923.7	922.8
60°	821.3	822.2	818.5	801.0	796.4
62.5°	713.3	708.7	706.8	697.6	692.1
65°	611.8	612.7	608.1	598.0	596.1
67.5°	529.7	528.7	520.4	514.0	510.3
70°	449.4	446.6	442.9	437.4	433.7
72.5°	377.4	377.4	374.6	372.8	366.3
75°	314.7	311.0	307.3	309.1	301.7
77.5°	254.7	251.0	248.2	244.5	242.7
80°	192.9	189.2	190.1	184.6	183.6
82.5°	133.8	133.8	132.0	127.3	128.3
85°	76.6	77.5	75.7	76.6	72.9
87.5°	27.7	28.6	30.5	28.6	28.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)