

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: P738004

Luminaire Tested: **14PT-80-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738004
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-80-PL1-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

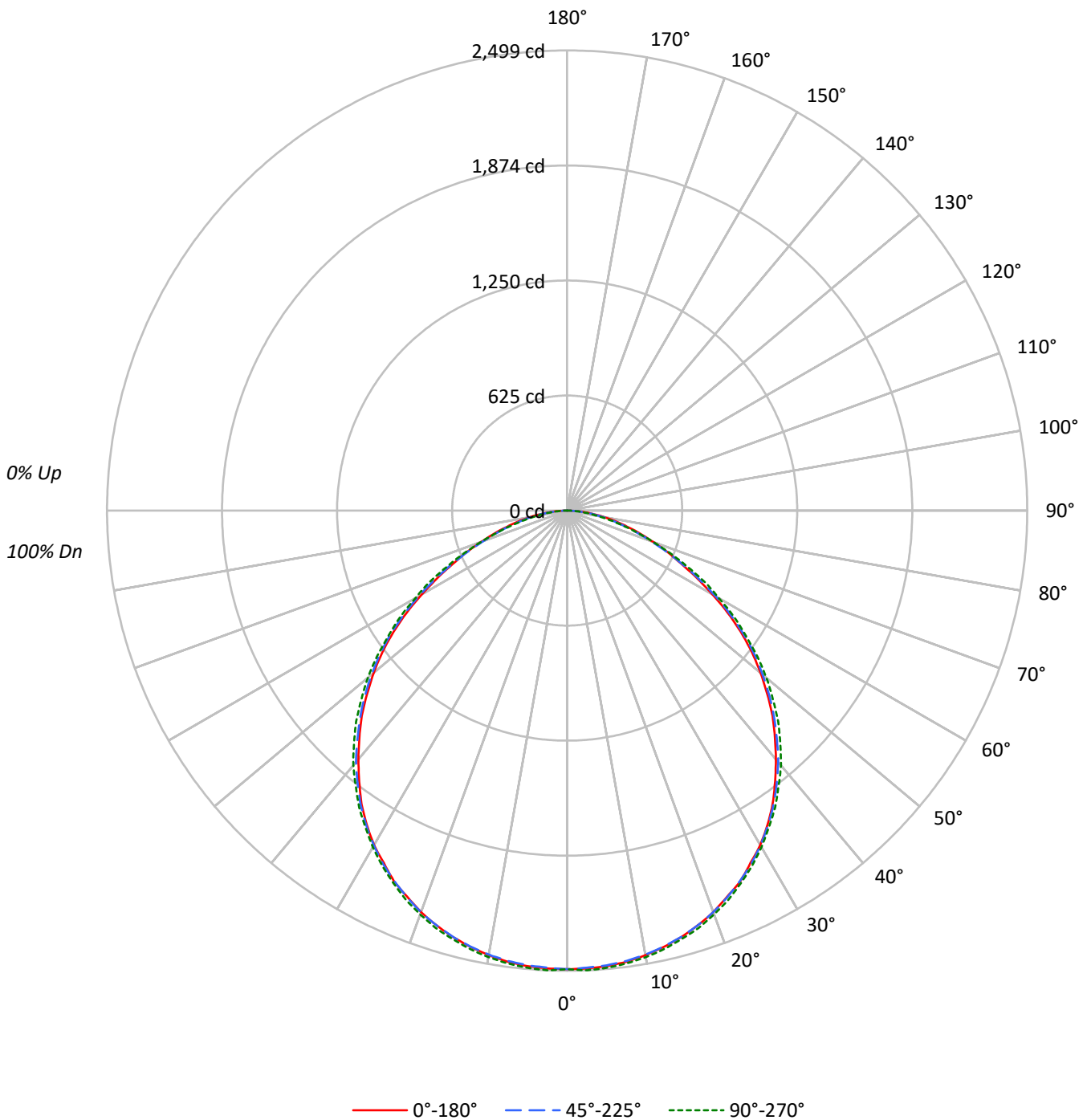
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6565.0 lumens
Efficiency: N/A
Efficacy: 92.5 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): 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	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°	7467	7467	7467
5°	7473	7459	7501
10°	7464	7455	7498
15°	7441	7438	7475
20°	7404	7404	7445
25°	7353	7344	7384
30°	7261	7270	7306
35°	7122	7149	7207
40°	6901	6980	7071
45°	6686	6741	6870
50°	6391	6460	6589
55°	6019	6116	6188
60°	5461	5577	5716
65°	4850	4903	5099
70°	4336	4246	4351
75°	3912	3687	3613
80°	3553	3298	2932
85°	3017	2731	2349



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.2	3.6
10°-20°	677.6	10.3
20°-30°	1024.9	15.6
30°-40°	1221.7	18.6
40°-50°	1228.5	18.7
50°-60°	1042.6	15.9
60°-70°	694.2	10.6
70°-80°	346.6	5.3
80°-90°	92.7	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°	1938.7	29.5
0°-40°	3160.4	48.1
0°-60°	5431.4	82.7
0°-90°	6565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2490	2490	2490	2490	2490	
5°	2483	2484	2478	2490	2492	236
15°	2397	2400	2396	2406	2408	676
25°	2223	2223	2220	2230	2232	1022
35°	1946	1948	1953	1967	1969	1214
45°	1577	1580	1590	1611	1620	1213
55°	1152	1160	1170	1181	1184	1026
65°	684	689	691	701	719	685
75°	338	333	318	311	312	363
85°	88	86	79	75	68	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2490.5	2490.5	2490.5	2490.5	2490.5
2.5°	2488.6	2490.5	2484.0	2496.0	2498.8
5°	2483.1	2484.0	2478.5	2489.5	2492.3
7.5°	2471.1	2472.0	2466.5	2478.5	2480.3
10°	2451.7	2453.5	2448.9	2460.0	2462.8
12.5°	2426.8	2429.6	2424.9	2436.9	2438.8
15°	2397.3	2400.0	2396.3	2406.5	2408.3
17.5°	2361.3	2363.1	2361.3	2370.5	2376.0
20°	2320.7	2320.7	2320.7	2329.0	2333.6
22.5°	2269.9	2274.5	2272.7	2283.8	2288.4
25°	2222.9	2222.9	2220.1	2230.2	2232.1
27.5°	2157.3	2164.7	2163.8	2173.0	2174.9
30°	2097.4	2099.2	2100.1	2106.6	2110.3
32.5°	2024.5	2026.3	2029.1	2038.3	2039.2
35°	1946.0	1947.9	1953.4	1967.3	1969.1
37.5°	1854.7	1864.8	1869.5	1884.2	1886.1
40°	1763.3	1769.8	1783.6	1799.3	1806.7
42.5°	1670.1	1677.5	1685.8	1707.1	1713.5
45°	1576.9	1579.7	1589.9	1611.1	1620.3
47.5°	1473.6	1481.9	1491.1	1509.6	1515.1
50°	1370.3	1379.5	1385.0	1401.6	1412.7
52.5°	1266.0	1274.3	1280.8	1290.9	1302.0
55°	1151.6	1159.9	1170.0	1181.1	1183.9
57.5°	1035.3	1044.5	1051.0	1063.0	1075.0
60°	910.7	920.9	930.1	941.2	953.2
62.5°	794.5	799.1	808.3	826.8	844.3
65°	683.7	689.3	691.1	701.3	718.8
67.5°	591.5	591.5	583.2	586.9	606.2
70°	494.6	490.9	484.4	480.7	496.4
72.5°	416.2	411.5	397.7	391.2	399.5
75°	337.7	333.1	318.3	311.0	311.9
77.5°	271.3	263.9	251.9	239.0	236.2
80°	205.8	203.0	191.0	179.0	169.8
82.5°	145.8	139.3	132.9	125.5	118.1
85°	87.7	85.8	79.4	74.7	68.3
87.5°	36.0	36.0	34.1	32.3	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)