

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: P738014

Luminaire Tested: **14PT-80-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738014
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-80-PP3-L950
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

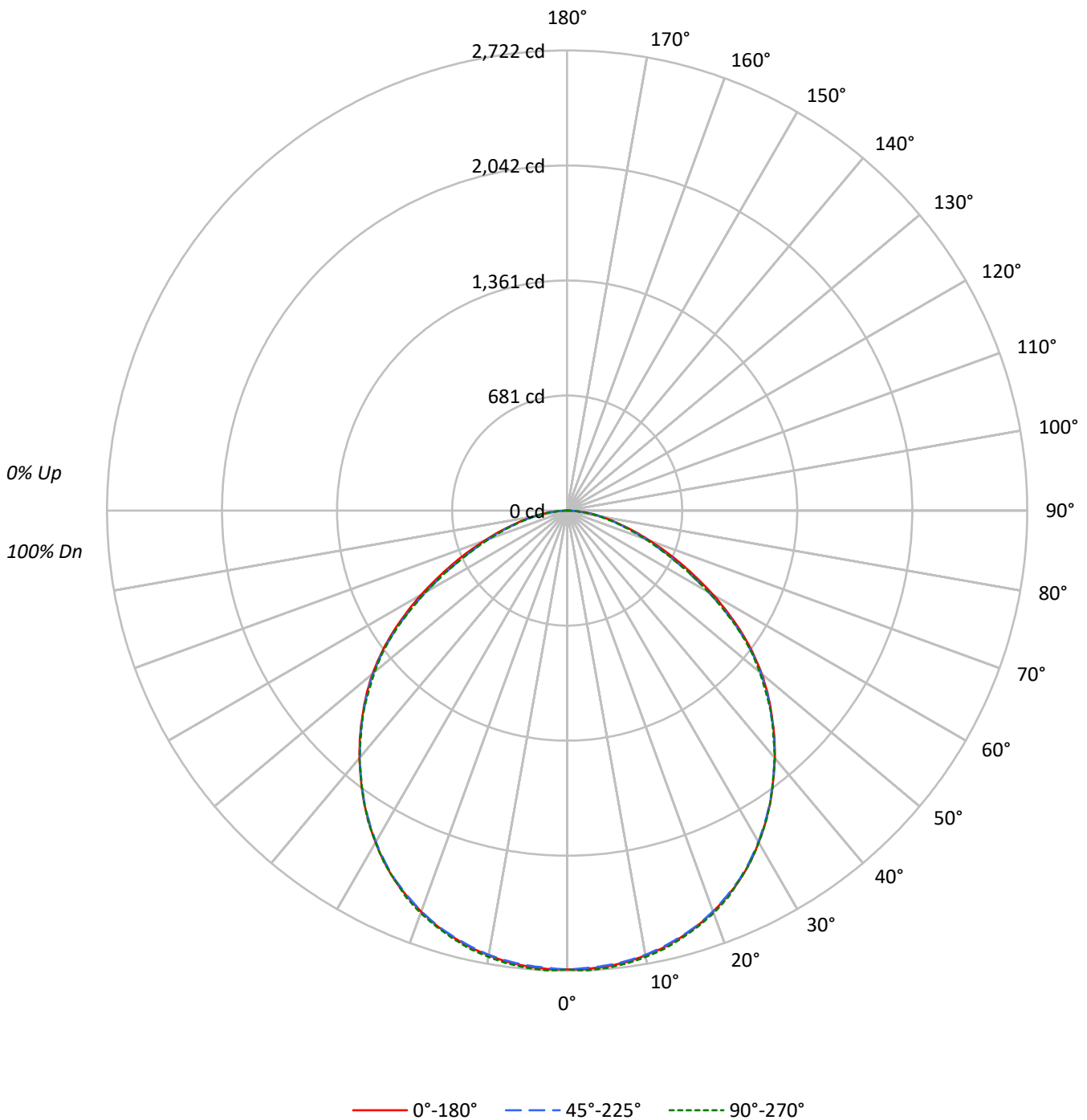
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7014.0 lumens
Efficiency: N/A
Efficacy: 98.8 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): 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	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°	8139	8139	8139
5°	8146	8128	8173
10°	8135	8123	8162
15°	8108	8092	8129
20°	8054	8048	8082
25°	7983	7969	7979
30°	7849	7832	7849
35°	7678	7667	7674
40°	7481	7458	7477
45°	7257	7236	7244
50°	7013	6981	6930
55°	6603	6525	6505
60°	5991	5790	5802
65°	5263	4998	4991
70°	4552	4344	4293
75°	3937	3789	3709
80°	3488	3436	3284
85°	2883	2982	2814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	3.7
10°-20°	737.5	10.5
20°-30°	1110.4	15.8
30°-40°	1310.5	18.7
40°-50°	1318.0	18.8
50°-60°	1112.7	15.9
60°-70°	714.6	10.2
70°-80°	355.4	5.1
80°-90°	97.4	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°	2105.4	30.0
0°-40°	3415.9	48.7
0°-60°	5846.6	83.4
0°-90°	7014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2715	2715	2715	2715	2715	
5°	2707	2708	2701	2714	2716	257
15°	2612	2613	2607	2619	2619	737
25°	2413	2414	2409	2414	2412	1110
35°	2098	2099	2095	2097	2097	1311
45°	1712	1717	1707	1709	1709	1321
55°	1263	1262	1248	1244	1244	1124
65°	742	731	704	698	704	740
75°	340	338	327	324	320	368
85°	84	87	87	82	82	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2714.6	2714.6	2714.6	2714.6	2714.6
2.5°	2713.6	2714.6	2707.7	2720.5	2722.4
5°	2706.7	2707.7	2700.8	2713.6	2715.6
7.5°	2692.9	2693.9	2688.0	2699.8	2701.8
10°	2672.2	2675.2	2668.3	2679.1	2681.1
12.5°	2646.6	2647.6	2640.7	2653.5	2655.4
15°	2612.1	2613.1	2607.2	2619.0	2619.0
17.5°	2572.7	2573.7	2569.7	2579.6	2578.6
20°	2524.4	2527.4	2522.4	2529.3	2533.3
22.5°	2472.2	2473.2	2467.2	2476.1	2480.1
25°	2413.1	2414.0	2409.1	2414.0	2412.1
27.5°	2344.1	2346.1	2339.2	2344.1	2345.1
30°	2267.2	2272.2	2262.3	2266.2	2267.2
32.5°	2184.5	2187.4	2180.5	2181.5	2186.4
35°	2097.8	2098.7	2094.8	2096.8	2096.8
37.5°	2004.1	2008.1	2002.2	2005.1	2001.2
40°	1911.5	1907.6	1905.6	1907.6	1910.5
42.5°	1814.0	1815.0	1812.0	1810.0	1805.1
45°	1711.5	1717.4	1706.6	1708.6	1708.6
47.5°	1611.0	1612.0	1606.1	1600.2	1596.2
50°	1503.6	1503.6	1496.7	1491.8	1485.9
52.5°	1386.3	1384.4	1376.5	1371.6	1374.5
55°	1263.2	1262.2	1248.4	1243.5	1244.5
57.5°	1128.2	1130.2	1109.5	1104.5	1104.5
60°	999.1	989.3	965.6	958.7	967.6
62.5°	864.1	852.3	826.7	826.7	833.6
65°	741.9	731.1	704.5	697.6	703.5
67.5°	627.7	617.8	593.2	589.2	591.2
70°	519.3	510.4	495.6	486.7	489.7
72.5°	425.7	417.8	407.9	401.0	397.1
75°	339.9	338.0	327.1	324.2	320.2
77.5°	269.0	268.0	259.1	255.2	251.3
80°	202.0	201.0	199.0	193.1	190.2
82.5°	143.9	143.9	142.9	137.9	135.0
85°	83.8	86.7	86.7	81.8	81.8
87.5°	33.5	35.5	33.5	33.5	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)