

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: P738006

Luminaire Tested: **14PT-80-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738006
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-L950
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

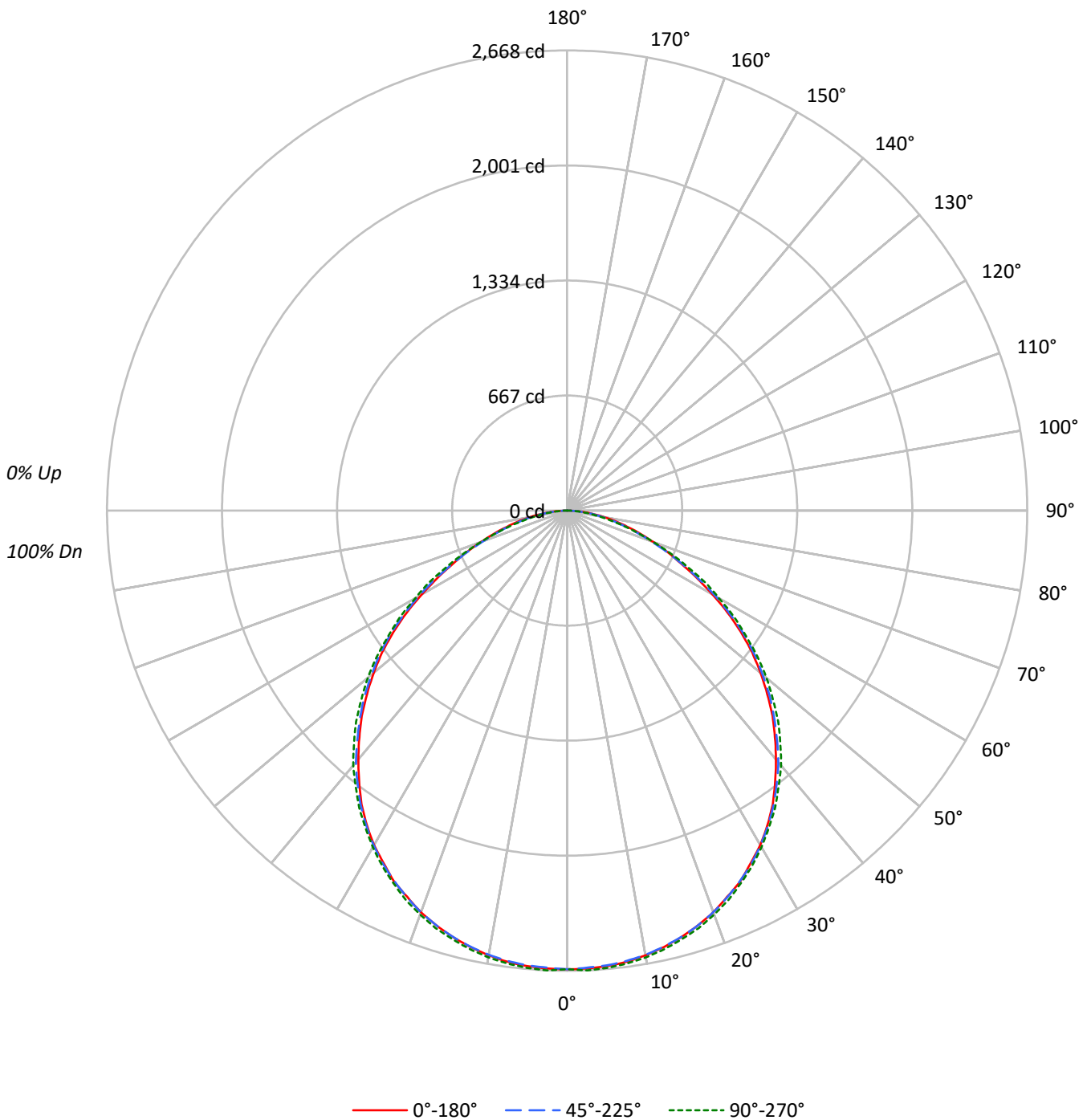
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7011.0 lumens
Efficiency: N/A
Efficacy: 98.7 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 (Ain): 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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7974	7974	7974
5°	7981	7966	8010
10°	7971	7962	8007
15°	7946	7943	7983
20°	7907	7907	7951
25°	7853	7843	7885
30°	7754	7764	7802
35°	7606	7635	7697
40°	7370	7455	7551
45°	7140	7199	7337
50°	6825	6899	7037
55°	6428	6531	6608
60°	5832	5956	6103
65°	5180	5236	5445
70°	4630	4535	4648
75°	4178	3938	3859
80°	3793	3522	3130
85°	3220	2914	2508



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.3	3.6
10°-20°	723.6	10.3
20°-30°	1094.5	15.6
30°-40°	1304.7	18.6
40°-50°	1311.9	18.7
50°-60°	1113.4	15.9
60°-70°	741.3	10.6
70°-80°	370.2	5.3
80°-90°	99.0	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°	2070.5	29.5
0°-40°	3375.1	48.1
0°-60°	5800.4	82.7
0°-90°	7011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2652	2653	2647	2659	2662	252
15°	2560	2563	2559	2570	2572	722
25°	2374	2374	2371	2382	2384	1092
35°	2078	2080	2086	2101	2103	1296
45°	1684	1687	1698	1720	1730	1296
55°	1230	1239	1250	1261	1264	1096
65°	730	736	738	749	768	732
75°	361	356	340	332	333	387
85°	94	92	85	80	73	108
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2659.6	2659.6	2659.6	2659.6	2659.6
2.5°	2657.7	2659.6	2652.7	2665.6	2668.5
5°	2651.8	2652.7	2646.8	2658.7	2661.6
7.5°	2639.0	2639.9	2634.0	2646.8	2648.8
10°	2618.3	2620.2	2615.3	2627.1	2630.1
12.5°	2591.7	2594.6	2589.7	2602.5	2604.5
15°	2560.1	2563.1	2559.1	2570.0	2571.9
17.5°	2521.7	2523.7	2521.7	2531.5	2537.5
20°	2478.3	2478.3	2478.3	2487.2	2492.1
22.5°	2424.1	2429.1	2427.1	2438.9	2443.8
25°	2373.9	2373.9	2370.9	2381.8	2383.7
27.5°	2303.9	2311.8	2310.8	2320.7	2322.6
30°	2239.9	2241.8	2242.8	2249.7	2253.7
32.5°	2162.0	2164.0	2166.9	2176.8	2177.8
35°	2078.2	2080.2	2086.1	2100.9	2102.9
37.5°	1980.7	1991.5	1996.5	2012.2	2014.2
40°	1883.1	1890.0	1904.8	1921.6	1929.5
42.5°	1783.6	1791.5	1800.4	1823.0	1829.9
45°	1684.1	1687.0	1697.9	1720.5	1730.4
47.5°	1573.7	1582.6	1592.4	1612.1	1618.1
50°	1463.3	1473.2	1479.1	1496.9	1508.7
52.5°	1352.0	1360.9	1367.8	1378.6	1390.4
55°	1229.8	1238.7	1249.5	1261.3	1264.3
57.5°	1105.6	1115.5	1122.4	1135.2	1148.0
60°	972.6	983.4	993.3	1005.1	1017.9
62.5°	848.4	853.4	863.2	882.9	901.7
65°	730.2	736.1	738.1	748.9	767.6
67.5°	631.7	631.7	622.8	626.7	647.4
70°	528.2	524.2	517.3	513.4	530.2
72.5°	444.4	439.5	424.7	417.8	426.7
75°	360.7	355.7	340.0	332.1	333.1
77.5°	289.7	281.8	269.0	255.2	252.3
80°	219.7	216.8	204.0	191.2	181.3
82.5°	155.7	148.8	141.9	134.0	126.1
85°	93.6	91.6	84.7	79.8	72.9
87.5°	38.4	38.4	36.5	34.5	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)