

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: P737964

Luminaire Tested: **14PT-70-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737964
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-70-PP3-L935
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

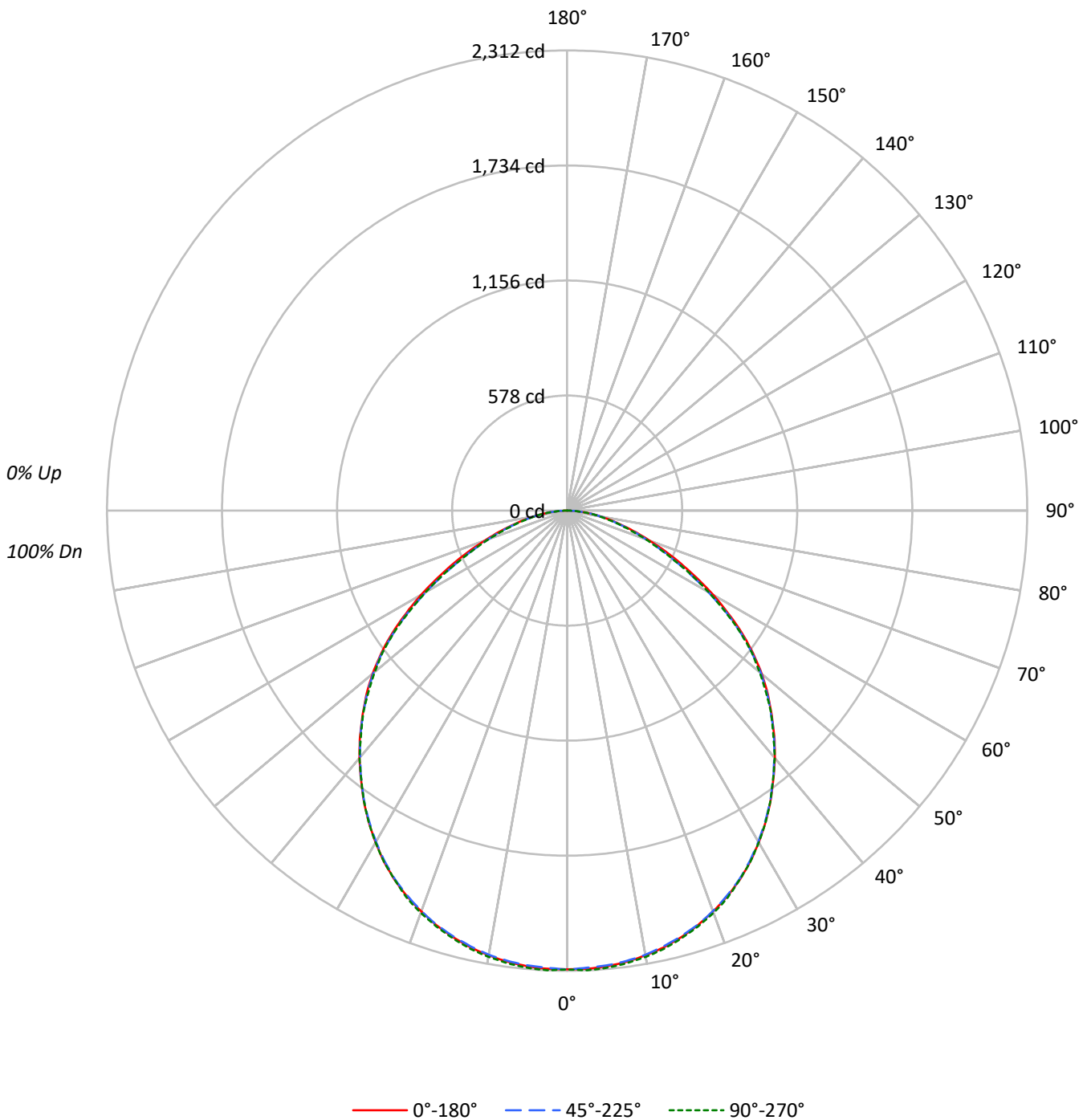
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5956.0 lumens
Efficiency: N/A
Efficacy: 95.0 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): 62.7
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°	6911	6911	6911
5°	6917	6902	6940
10°	6908	6898	6931
15°	6885	6872	6903
20°	6839	6834	6863
25°	6778	6767	6775
30°	6665	6651	6665
35°	6520	6510	6517
40°	6353	6333	6350
45°	6162	6144	6151
50°	5955	5928	5885
55°	5606	5541	5523
60°	5087	4917	4926
65°	4469	4244	4238
70°	3865	3690	3645
75°	3344	3218	3150
80°	2961	2918	2788
85°	2446	2532	2387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	3.7
10°-20°	626.3	10.5
20°-30°	942.9	15.8
30°-40°	1112.8	18.7
40°-50°	1119.2	18.8
50°-60°	944.8	15.9
60°-70°	606.8	10.2
70°-80°	301.8	5.1
80°-90°	82.7	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°	1787.8	30.0
0°-40°	2900.6	48.7
0°-60°	4964.7	83.4
0°-90°	5956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2305	2305	2305	2305	2305	
5°	2298	2299	2293	2304	2306	218
15°	2218	2219	2214	2224	2224	626
25°	2049	2050	2046	2050	2048	943
35°	1781	1782	1779	1780	1780	1113
45°	1453	1458	1449	1451	1451	1122
55°	1073	1072	1060	1056	1057	954
65°	630	621	598	592	597	628
75°	289	287	278	275	272	312
85°	71	74	74	69	69	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2305.1	2305.1	2305.1	2305.1	2305.1
2.5°	2304.3	2305.1	2299.2	2310.1	2311.8
5°	2298.4	2299.2	2293.4	2304.3	2305.9
7.5°	2286.7	2287.5	2282.5	2292.5	2294.2
10°	2269.1	2271.6	2265.8	2275.0	2276.6
12.5°	2247.4	2248.2	2242.3	2253.2	2254.9
15°	2218.1	2218.9	2213.9	2223.9	2223.9
17.5°	2184.6	2185.4	2182.1	2190.5	2189.6
20°	2143.6	2146.1	2141.9	2147.8	2151.1
22.5°	2099.3	2100.1	2095.1	2102.6	2106.0
25°	2049.1	2049.9	2045.7	2049.9	2048.2
27.5°	1990.5	1992.2	1986.3	1990.5	1991.3
30°	1925.2	1929.4	1921.1	1924.4	1925.2
32.5°	1855.0	1857.5	1851.6	1852.4	1856.6
35°	1781.3	1782.2	1778.8	1780.5	1780.5
37.5°	1701.8	1705.2	1700.2	1702.7	1699.3
40°	1623.2	1619.8	1618.2	1619.8	1622.4
42.5°	1540.4	1541.2	1538.7	1537.0	1532.8
45°	1453.3	1458.4	1449.2	1450.8	1450.8
47.5°	1368.0	1368.8	1363.8	1358.8	1355.4
50°	1276.8	1276.8	1270.9	1266.8	1261.7
52.5°	1177.2	1175.6	1168.9	1164.7	1167.2
55°	1072.6	1071.8	1060.1	1055.9	1056.7
57.5°	958.0	959.7	942.1	937.9	937.9
60°	848.4	840.0	820.0	814.1	821.6
62.5°	733.8	723.7	702.0	702.0	707.8
65°	630.0	620.8	598.2	592.4	597.4
67.5°	533.0	524.6	503.7	500.3	502.0
70°	440.9	433.4	420.9	413.3	415.8
72.5°	361.5	354.8	346.4	340.5	337.2
75°	288.7	287.0	277.8	275.3	271.9
77.5°	228.4	227.6	220.1	216.7	213.4
80°	171.5	170.7	169.0	164.0	161.5
82.5°	122.2	122.2	121.3	117.1	114.6
85°	71.1	73.6	73.6	69.4	69.4
87.5°	28.4	30.1	28.4	28.4	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)