

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: P737966

Luminaire Tested: **14PT-70-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737966
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-L950
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

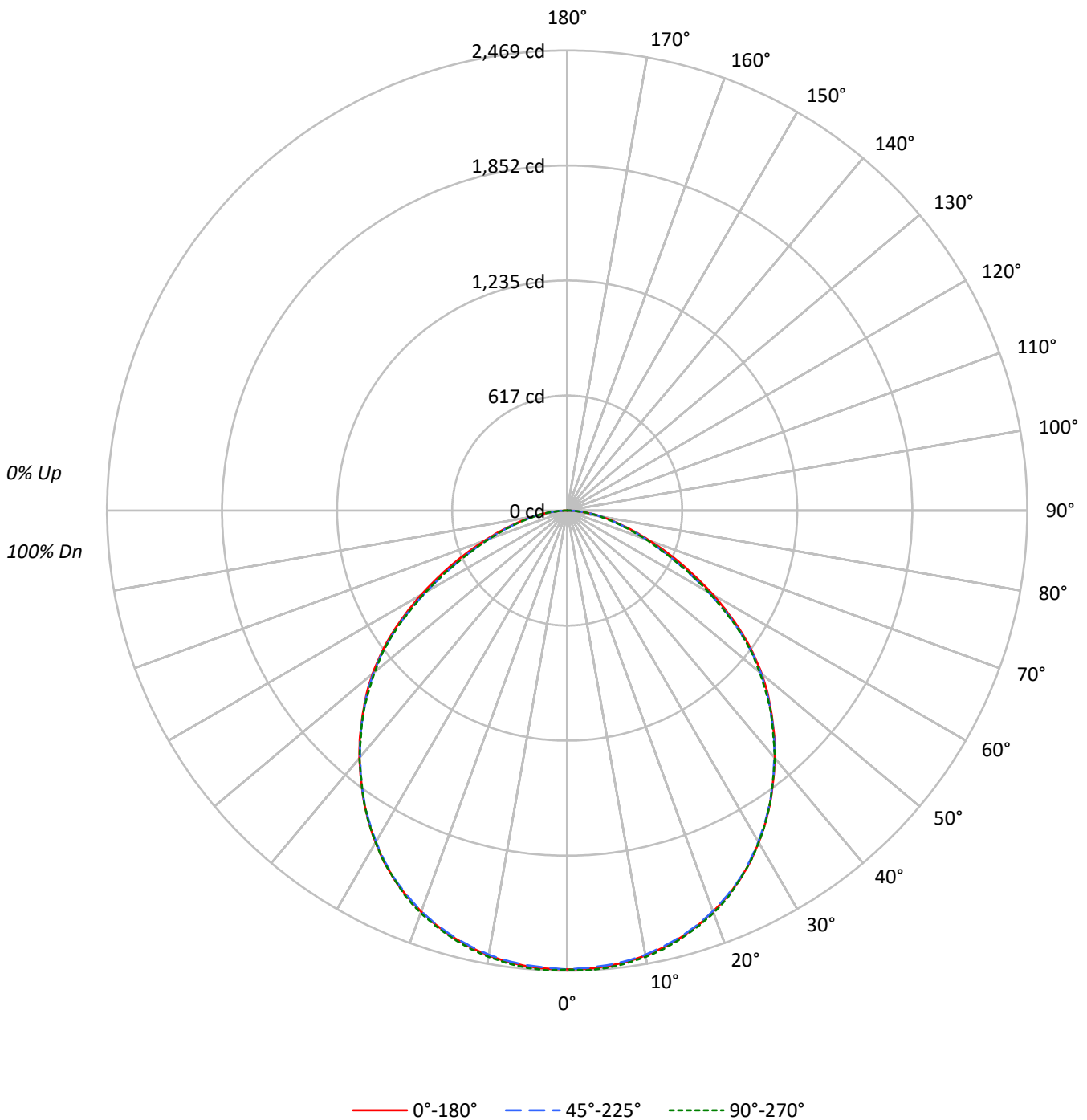
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6361.0 lumens
Efficiency: N/A
Efficacy: 101.5 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°	7381	7381	7381
5°	7387	7371	7412
10°	7378	7367	7402
15°	7353	7339	7372
20°	7304	7299	7330
25°	7239	7227	7236
30°	7118	7103	7118
35°	6963	6953	6960
40°	6785	6764	6781
45°	6581	6562	6570
50°	6360	6331	6285
55°	5988	5918	5899
60°	5433	5251	5262
65°	4774	4532	4526
70°	4128	3940	3893
75°	3571	3437	3364
80°	3163	3116	2978
85°	2614	2704	2552



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.5	3.7
10°-20°	668.9	10.5
20°-30°	1007.0	15.8
30°-40°	1188.5	18.7
40°-50°	1195.3	18.8
50°-60°	1009.1	15.9
60°-70°	648.1	10.2
70°-80°	322.3	5.1
80°-90°	88.3	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°	1909.3	30.0
0°-40°	3097.9	48.7
0°-60°	5302.3	83.4
0°-90°	6361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2462	2462	2462	2462	2462	
5°	2455	2456	2449	2461	2463	233
15°	2369	2370	2364	2375	2375	668
25°	2188	2189	2185	2189	2188	1007
35°	1902	1903	1900	1902	1902	1189
45°	1552	1558	1548	1550	1550	1198
55°	1146	1145	1132	1128	1129	1019
65°	673	663	639	633	638	671
75°	308	306	297	294	290	334
85°	76	79	79	74	74	89
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2461.8	2461.8	2461.8	2461.8	2461.8
2.5°	2460.9	2461.8	2455.6	2467.2	2469.0
5°	2454.7	2455.6	2449.3	2460.9	2462.7
7.5°	2442.2	2443.1	2437.7	2448.4	2450.2
10°	2423.4	2426.1	2419.8	2429.7	2431.5
12.5°	2400.2	2401.1	2394.8	2406.4	2408.2
15°	2368.9	2369.8	2364.4	2375.2	2375.2
17.5°	2333.2	2334.1	2330.5	2339.4	2338.5
20°	2289.4	2292.1	2287.6	2293.8	2297.4
22.5°	2242.0	2242.9	2237.5	2245.6	2249.2
25°	2188.4	2189.3	2184.8	2189.3	2187.5
27.5°	2125.9	2127.6	2121.4	2125.9	2126.7
30°	2056.2	2060.6	2051.7	2055.3	2056.2
32.5°	1981.1	1983.8	1977.5	1978.4	1982.9
35°	1902.5	1903.3	1899.8	1901.6	1901.6
37.5°	1817.6	1821.1	1815.8	1818.5	1814.9
40°	1733.6	1730.0	1728.2	1730.0	1732.7
42.5°	1645.1	1646.0	1643.3	1641.5	1637.1
45°	1552.2	1557.5	1547.7	1549.5	1549.5
47.5°	1461.0	1461.9	1456.6	1451.2	1447.6
50°	1363.6	1363.6	1357.4	1352.9	1347.5
52.5°	1257.3	1255.5	1248.3	1243.9	1246.6
55°	1145.6	1144.7	1132.2	1127.7	1128.6
57.5°	1023.2	1024.9	1006.2	1001.7	1001.7
60°	906.1	897.2	875.7	869.5	877.5
62.5°	783.7	773.0	749.7	749.7	756.0
65°	672.9	663.0	638.9	632.7	638.0
67.5°	569.2	560.3	537.9	534.4	536.2
70°	470.9	462.9	449.5	441.4	444.1
72.5°	386.0	378.9	369.9	363.7	360.1
75°	308.3	306.5	296.7	294.0	290.4
77.5°	244.0	243.1	235.0	231.4	227.9
80°	183.2	182.3	180.5	175.1	172.5
82.5°	130.5	130.5	129.6	125.1	122.4
85°	76.0	78.6	78.6	74.2	74.2
87.5°	30.4	32.2	30.4	30.4	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)