

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: P737958

Luminaire Tested: **14PT-70-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737958
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-70-PL1-L950
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

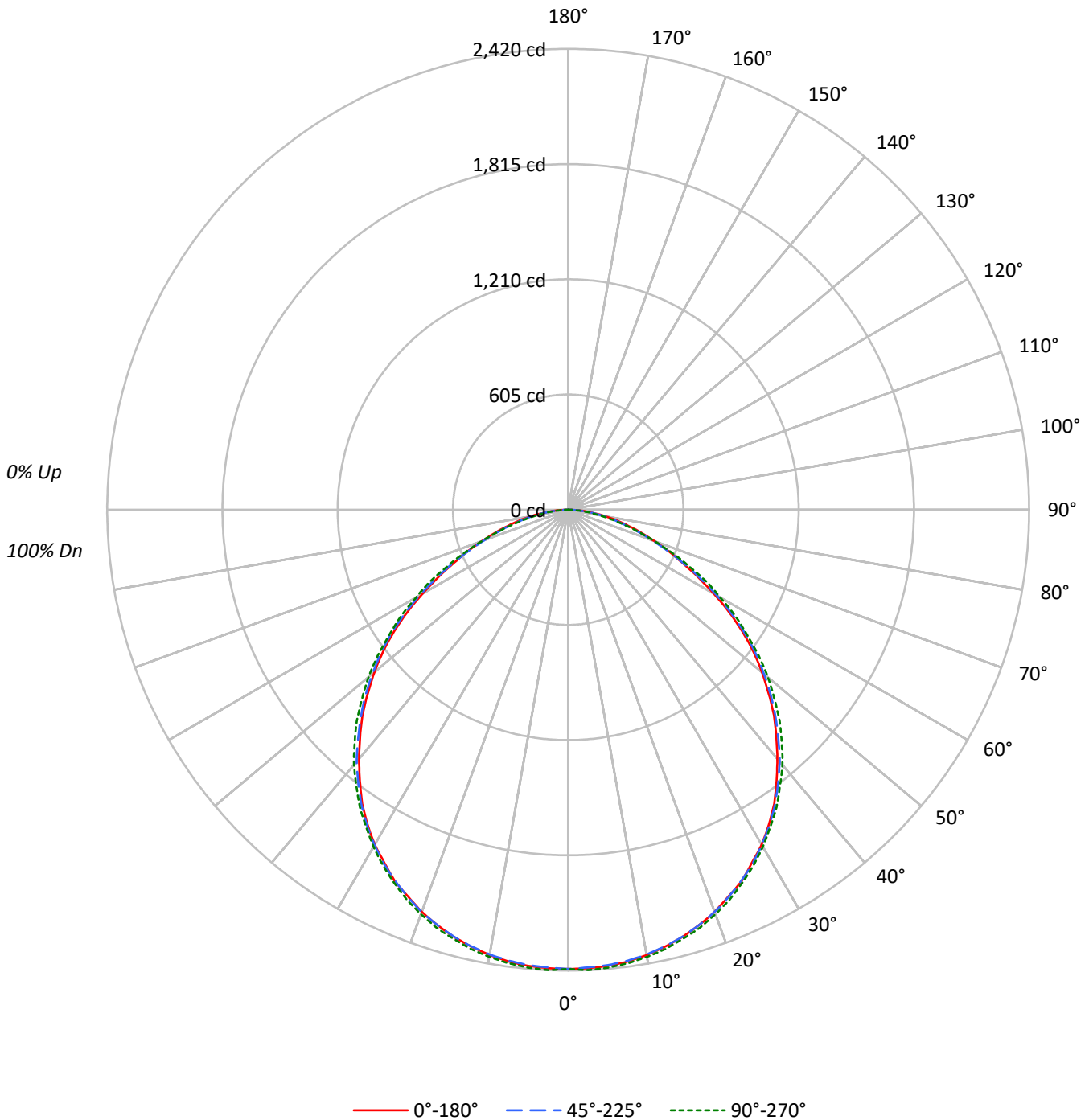
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6358.0 lumens
Efficiency: N/A
Efficacy: 101.4 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): 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

TEST NUMBER: P737958
CATALOG NUMBER: 14PT-70-PL1-L950

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°	7231	7231	7231
5°	7237	7224	7264
10°	7228	7220	7261
15°	7206	7203	7239
20°	7171	7171	7210
25°	7121	7113	7151
30°	7032	7041	7075
35°	6898	6924	6980
40°	6683	6761	6848
45°	6475	6528	6653
50°	6190	6257	6382
55°	5830	5923	5993
60°	5289	5401	5535
65°	4698	4748	4938
70°	4199	4113	4215
75°	3789	3571	3498
80°	3441	3194	2838
85°	2920	2645	2274



TEST NUMBER: P737958

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.8	3.6
10°-20°	656.2	10.3
20°-30°	992.6	15.6
30°-40°	1183.1	18.6
40°-50°	1189.7	18.7
50°-60°	1009.7	15.9
60°-70°	672.3	10.6
70°-80°	335.7	5.3
80°-90°	89.8	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°	1877.6	29.5
0°-40°	3060.7	48.1
0°-60°	5260.2	82.7
0°-90°	6358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2412	2412	2412	2412	2412	
5°	2405	2406	2400	2411	2414	229
15°	2322	2324	2321	2331	2332	655
25°	2153	2153	2150	2160	2162	990
35°	1885	1886	1892	1905	1907	1176
45°	1527	1530	1540	1560	1569	1175
55°	1115	1123	1133	1144	1146	994
65°	662	668	669	679	696	664
75°	327	323	308	301	302	351
85°	85	83	77	72	66	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2411.9	2411.9	2411.9	2411.9	2411.9
2.5°	2410.1	2411.9	2405.7	2417.3	2420.0
5°	2404.8	2405.7	2400.3	2411.0	2413.7
7.5°	2393.2	2394.1	2388.7	2400.3	2402.1
10°	2374.4	2376.2	2371.7	2382.4	2385.1
12.5°	2350.3	2352.9	2348.5	2360.1	2361.9
15°	2321.7	2324.4	2320.8	2330.6	2332.4
17.5°	2286.8	2288.6	2286.8	2295.8	2301.1
20°	2247.5	2247.5	2247.5	2255.5	2260.0
22.5°	2198.3	2202.8	2201.0	2211.8	2216.2
25°	2152.8	2152.8	2150.1	2159.9	2161.7
27.5°	2089.3	2096.5	2095.6	2104.5	2106.3
30°	2031.2	2033.0	2033.9	2040.2	2043.8
32.5°	1960.6	1962.4	1965.1	1974.0	1974.9
35°	1884.7	1886.5	1891.8	1905.2	1907.0
37.5°	1796.2	1806.0	1810.5	1824.8	1826.6
40°	1707.7	1714.0	1727.4	1742.6	1749.7
42.5°	1617.5	1624.6	1632.7	1653.2	1659.5
45°	1527.2	1529.9	1539.7	1560.3	1569.2
47.5°	1427.1	1435.2	1444.1	1462.0	1467.4
50°	1327.1	1336.0	1341.4	1357.4	1368.2
52.5°	1226.1	1234.1	1240.4	1250.2	1260.9
55°	1115.3	1123.3	1133.1	1143.9	1146.5
57.5°	1002.7	1011.6	1017.9	1029.5	1041.1
60°	882.0	891.9	900.8	911.5	923.1
62.5°	769.4	773.9	782.8	800.7	817.7
65°	662.2	667.5	669.3	679.2	696.1
67.5°	572.8	572.8	564.8	568.4	587.1
70°	479.0	475.4	469.2	465.6	480.8
72.5°	403.0	398.6	385.2	378.9	386.9
75°	327.1	322.6	308.3	301.2	302.0
77.5°	262.7	255.6	244.0	231.5	228.8
80°	199.3	196.6	185.0	173.4	164.4
82.5°	141.2	134.9	128.7	121.5	114.4
85°	84.9	83.1	76.9	72.4	66.1
87.5°	34.9	34.9	33.1	31.3	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)