

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: P737965

Luminaire Tested: **14PT-70-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737965
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-L940
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

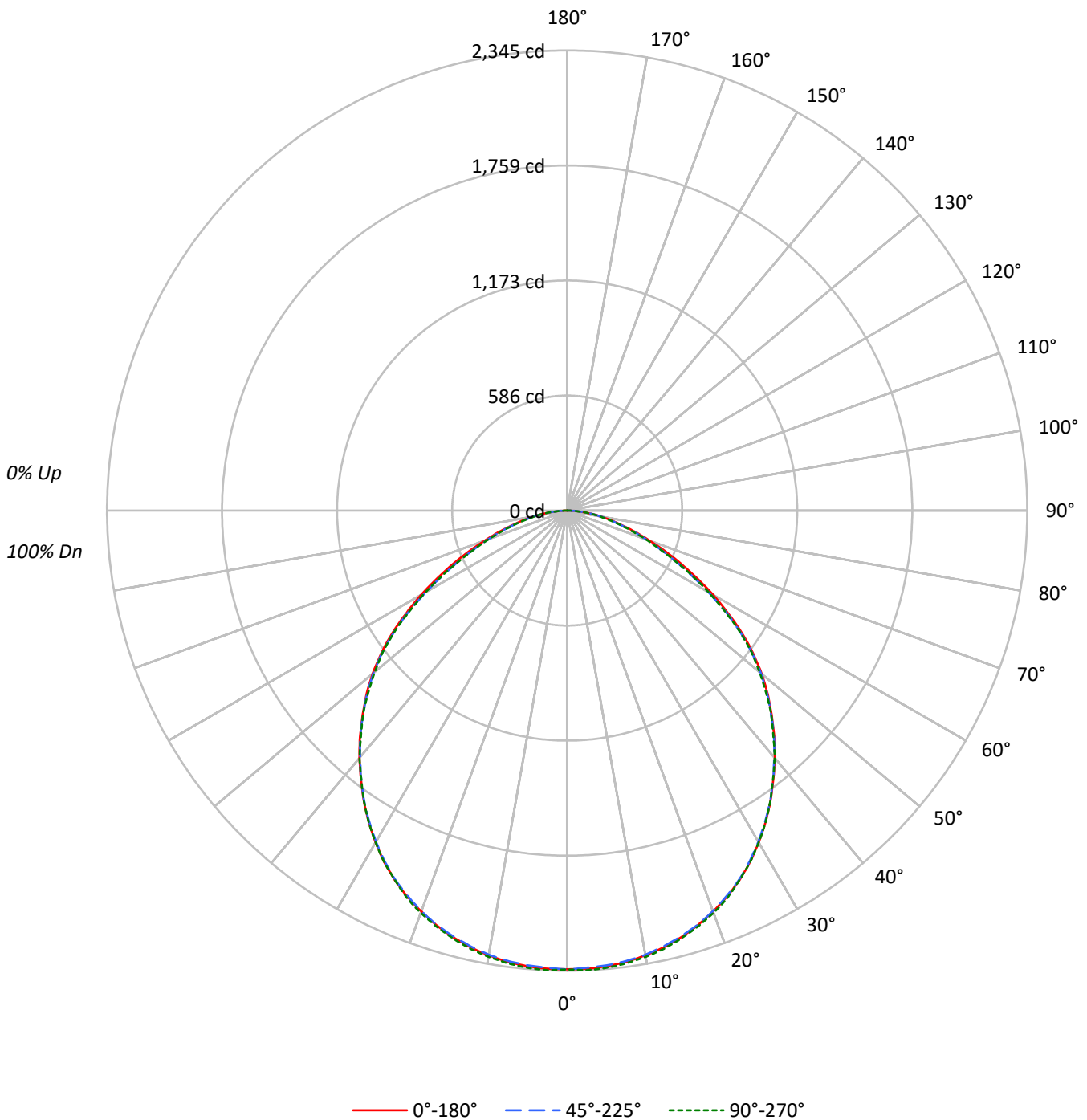
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6041.0 lumens
Efficiency: N/A
Efficacy: 96.3 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

TEST NUMBER: P737965
CATALOG NUMBER: 14PT-70-PP3-L940

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°	7009	7009	7009
5°	7016	7000	7039
10°	7007	6996	7030
15°	6983	6970	7001
20°	6937	6931	6961
25°	6875	6864	6872
30°	6760	6745	6760
35°	6612	6603	6610
40°	6444	6424	6440
45°	6250	6232	6239
50°	6040	6013	5969
55°	5687	5620	5602
60°	5160	4987	4997
65°	4533	4305	4298
70°	3920	3742	3697
75°	3392	3263	3195
80°	3004	2959	2828
85°	2480	2570	2422



TEST NUMBER: P737965

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	3.7
10°-20°	635.2	10.5
20°-30°	956.3	15.8
30°-40°	1128.7	18.7
40°-50°	1135.2	18.8
50°-60°	958.3	15.9
60°-70°	615.5	10.2
70°-80°	306.1	5.1
80°-90°	83.9	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°	1813.3	30.0
0°-40°	2942.0	48.7
0°-60°	5035.5	83.4
0°-90°	6041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2338	2338	2338	2338	2338	
5°	2331	2332	2326	2337	2339	222
15°	2250	2251	2246	2256	2256	635
25°	2078	2079	2075	2079	2078	956
35°	1807	1808	1804	1806	1806	1129
45°	1474	1479	1470	1472	1472	1138
55°	1088	1087	1075	1071	1072	968
65°	639	630	607	601	606	637
75°	293	291	282	279	276	317
85°	72	75	75	70	70	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2338.0	2338.0	2338.0	2338.0	2338.0
2.5°	2337.1	2338.0	2332.1	2343.1	2344.8
5°	2331.2	2332.1	2326.1	2337.1	2338.8
7.5°	2319.3	2320.2	2315.1	2325.3	2327.0
10°	2301.5	2304.0	2298.1	2307.4	2309.1
12.5°	2279.4	2280.3	2274.3	2285.4	2287.1
15°	2249.7	2250.6	2245.5	2255.7	2255.7
17.5°	2215.8	2216.6	2213.2	2221.7	2220.9
20°	2174.2	2176.8	2172.5	2178.5	2181.8
22.5°	2129.2	2130.1	2125.0	2132.6	2136.0
25°	2078.3	2079.2	2074.9	2079.2	2077.5
27.5°	2018.9	2020.6	2014.7	2018.9	2019.8
30°	1952.7	1957.0	1948.5	1951.9	1952.7
32.5°	1881.4	1884.0	1878.0	1878.9	1883.1
35°	1806.7	1807.6	1804.2	1805.9	1805.9
37.5°	1726.1	1729.5	1724.4	1727.0	1723.6
40°	1646.4	1643.0	1641.3	1643.0	1645.5
42.5°	1562.3	1563.2	1560.6	1558.9	1554.7
45°	1474.1	1479.2	1469.8	1471.5	1471.5
47.5°	1387.5	1388.4	1383.3	1378.2	1374.8
50°	1295.0	1295.0	1289.1	1284.8	1279.7
52.5°	1194.0	1192.3	1185.5	1181.3	1183.8
55°	1088.0	1087.1	1075.2	1071.0	1071.8
57.5°	971.7	973.4	955.6	951.3	951.3
60°	860.5	852.0	831.7	825.7	833.4
62.5°	744.3	734.1	712.0	712.0	717.9
65°	639.0	629.7	606.8	600.8	605.9
67.5°	540.6	532.1	510.9	507.5	509.2
70°	447.2	439.6	426.9	419.2	421.8
72.5°	366.6	359.8	351.3	345.4	342.0
75°	292.8	291.1	281.7	279.2	275.8
77.5°	231.7	230.8	223.2	219.8	216.4
80°	174.0	173.1	171.4	166.3	163.8
82.5°	123.9	123.9	123.1	118.8	116.3
85°	72.1	74.7	74.7	70.4	70.4
87.5°	28.9	30.6	28.9	28.9	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)