

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: P737963

Luminaire Tested: **14PT-70-PP3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737963
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-L930
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

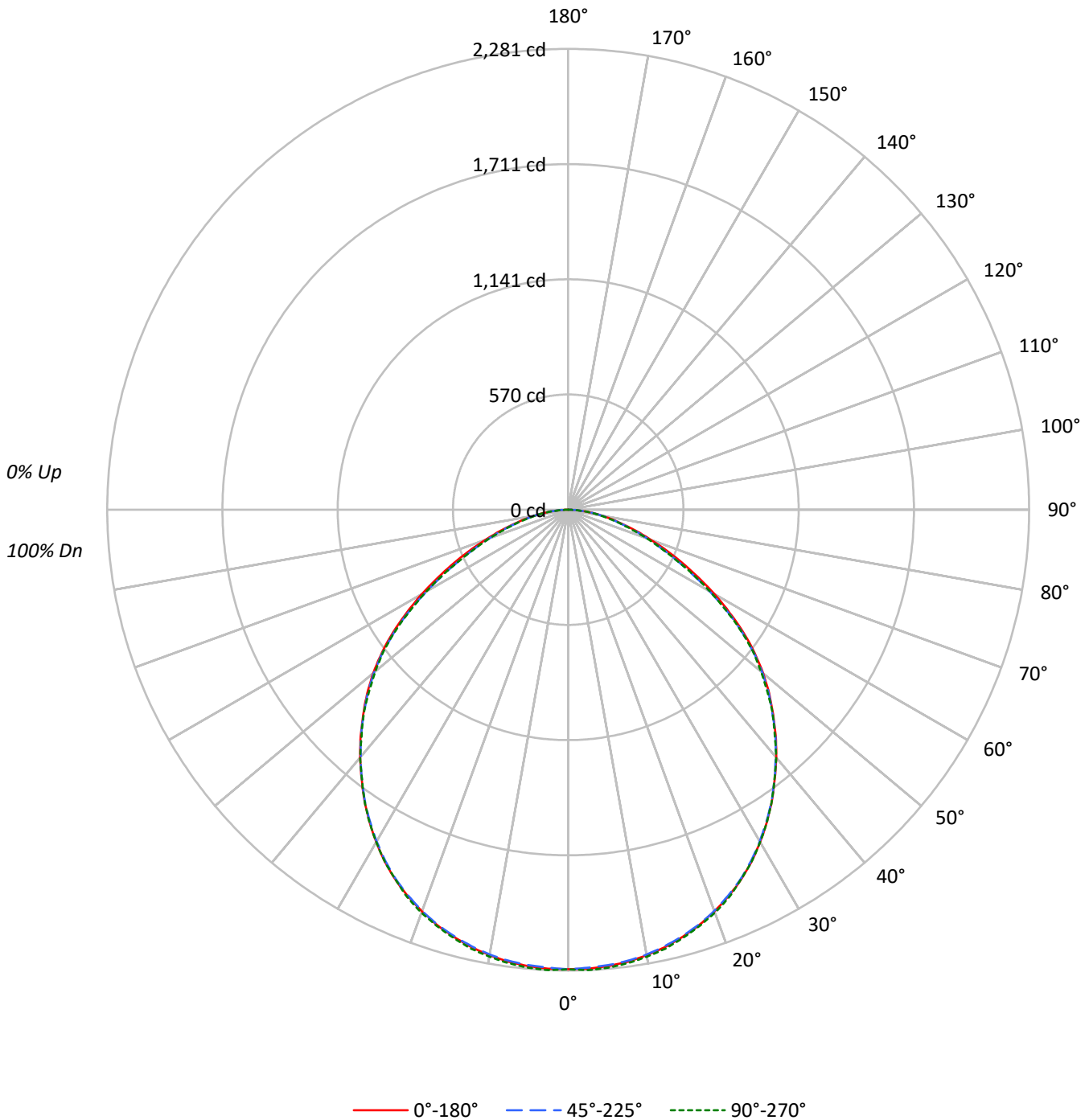
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877.0 lumens
Efficiency: N/A
Efficacy: 93.7 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°	6819	6819	6819
5°	6825	6811	6848
10°	6816	6806	6839
15°	6793	6780	6811
20°	6749	6743	6772
25°	6688	6678	6686
30°	6577	6562	6577
35°	6433	6424	6430
40°	6269	6249	6265
45°	6080	6063	6070
50°	5876	5849	5807
55°	5532	5467	5450
60°	5020	4851	4861
65°	4410	4188	4182
70°	3814	3640	3597
75°	3299	3175	3108
80°	2921	2880	2750
85°	2415	2501	2356



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.7	3.7
10°-20°	618.0	10.5
20°-30°	930.4	15.8
30°-40°	1098.1	18.7
40°-50°	1104.4	18.8
50°-60°	932.3	15.9
60°-70°	598.8	10.2
70°-80°	297.8	5.1
80°-90°	81.6	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°	1764.1	30.0
0°-40°	2862.1	48.7
0°-60°	4898.8	83.4
0°-90°	5877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2274	2274	2274	2274	2274	
5°	2268	2269	2263	2274	2275	216
15°	2189	2190	2184	2194	2194	618
25°	2022	2023	2019	2023	2021	930
35°	1758	1758	1755	1757	1757	1099
45°	1434	1439	1430	1432	1432	1107
55°	1058	1058	1046	1042	1043	941
65°	622	613	590	584	590	620
75°	285	283	274	272	268	308
85°	70	73	73	68	68	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2274.5	2274.5	2274.5	2274.5	2274.5
2.5°	2273.7	2274.5	2268.7	2279.5	2281.1
5°	2267.9	2268.7	2263.0	2273.7	2275.3
7.5°	2256.4	2257.2	2252.2	2262.1	2263.8
10°	2239.0	2241.5	2235.7	2244.8	2246.5
12.5°	2217.6	2218.4	2212.6	2223.3	2225.0
15°	2188.7	2189.5	2184.5	2194.4	2194.4
17.5°	2155.6	2156.5	2153.2	2161.4	2160.6
20°	2115.2	2117.7	2113.5	2119.3	2122.6
22.5°	2071.4	2072.3	2067.3	2074.7	2078.0
25°	2021.9	2022.7	2018.6	2022.7	2021.1
27.5°	1964.1	1965.7	1960.0	1964.1	1964.9
30°	1899.7	1903.8	1895.6	1898.9	1899.7
32.5°	1830.4	1832.8	1827.0	1827.9	1832.0
35°	1757.7	1758.5	1755.2	1756.9	1756.9
37.5°	1679.3	1682.6	1677.6	1680.1	1676.8
40°	1601.7	1598.4	1596.7	1598.4	1600.8
42.5°	1519.9	1520.8	1518.3	1516.6	1512.5
45°	1434.1	1439.0	1429.9	1431.6	1431.6
47.5°	1349.9	1350.7	1345.7	1340.8	1337.5
50°	1259.9	1259.9	1254.1	1250.0	1245.0
52.5°	1161.6	1160.0	1153.4	1149.2	1151.7
55°	1058.4	1057.6	1046.0	1041.9	1042.7
57.5°	945.3	947.0	929.6	925.5	925.5
60°	837.2	828.9	809.1	803.3	810.7
62.5°	724.0	714.1	692.7	692.7	698.5
65°	621.7	612.6	590.3	584.5	589.5
67.5°	525.9	517.6	497.0	493.7	495.4
70°	435.1	427.7	415.3	407.8	410.3
72.5°	356.7	350.1	341.8	336.0	332.7
75°	284.8	283.2	274.1	271.6	268.3
77.5°	225.4	224.6	217.1	213.8	210.5
80°	169.2	168.4	166.8	161.8	159.3
82.5°	120.5	120.5	119.7	115.6	113.1
85°	70.2	72.7	72.7	68.5	68.5
87.5°	28.1	29.7	28.1	28.1	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)