

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: P737914

Luminaire Tested: **14PT-60-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737914
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-60-PP3-L850
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

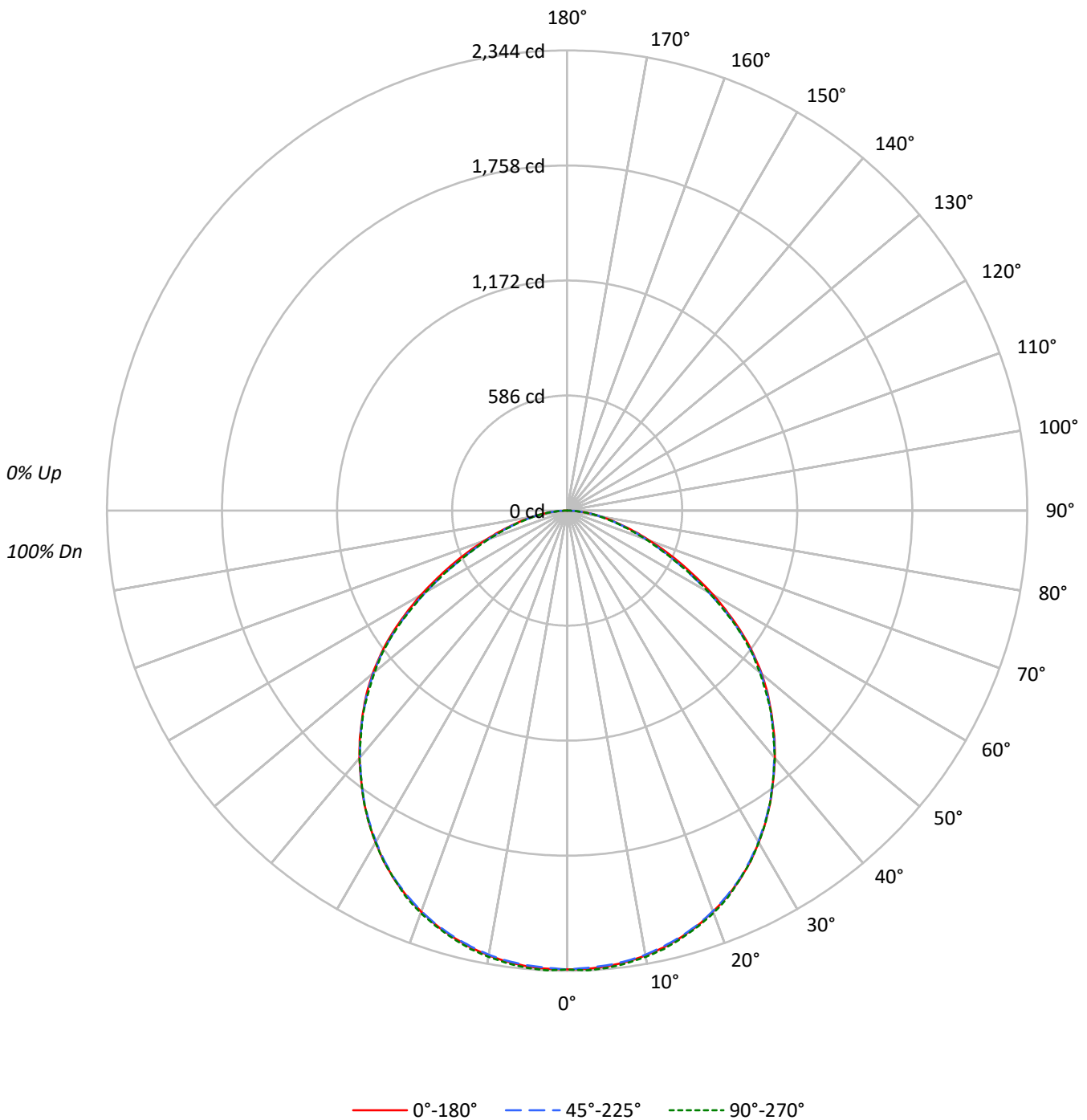
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6039.0 lumens
Efficiency: N/A
Efficacy: 121.3 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): 49.8
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°	7007	7007	7007
5°	7013	6998	7037
10°	7004	6994	7028
15°	6981	6967	6999
20°	6935	6929	6959
25°	6873	6861	6870
30°	6758	6743	6758
35°	6610	6601	6607
40°	6441	6421	6438
45°	6248	6230	6237
50°	6038	6011	5967
55°	5685	5618	5601
60°	5158	4985	4995
65°	4532	4303	4297
70°	3919	3740	3696
75°	3391	3263	3194
80°	3002	2959	2826
85°	2480	2570	2422



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	3.7
10°-20°	635.0	10.5
20°-30°	956.0	15.8
30°-40°	1128.3	18.7
40°-50°	1134.8	18.8
50°-60°	958.0	15.9
60°-70°	615.3	10.2
70°-80°	306.0	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°	1812.7	30.0
0°-40°	2941.0	48.7
0°-60°	5033.8	83.4
0°-90°	6039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2337	2337	2337	2337	2337	
5°	2330	2331	2325	2336	2338	222
15°	2249	2250	2245	2255	2255	635
25°	2078	2078	2074	2078	2077	956
35°	1806	1807	1804	1805	1805	1129
45°	1474	1479	1469	1471	1471	1137
55°	1088	1087	1075	1071	1072	967
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°	2337.2	2337.2	2337.2	2337.2	2337.2
2.5°	2336.4	2337.2	2331.3	2342.3	2344.0
5°	2330.4	2331.3	2325.3	2336.4	2338.1
7.5°	2318.6	2319.4	2314.3	2324.5	2326.2
10°	2300.7	2303.3	2297.3	2306.7	2308.4
12.5°	2278.7	2279.5	2273.6	2284.6	2286.3
15°	2249.0	2249.8	2244.7	2254.9	2254.9
17.5°	2215.1	2215.9	2212.5	2221.0	2220.1
20°	2173.5	2176.0	2171.8	2177.7	2181.1
22.5°	2128.5	2129.4	2124.3	2131.9	2135.3
25°	2077.6	2078.5	2074.2	2078.5	2076.8
27.5°	2018.2	2019.9	2014.0	2018.2	2019.1
30°	1952.1	1956.3	1947.8	1951.2	1952.1
32.5°	1880.8	1883.3	1877.4	1878.3	1882.5
35°	1806.1	1807.0	1803.6	1805.3	1805.3
37.5°	1725.6	1728.9	1723.9	1726.4	1723.0
40°	1645.8	1642.4	1640.7	1642.4	1645.0
42.5°	1561.8	1562.7	1560.1	1558.4	1554.2
45°	1473.6	1478.7	1469.4	1471.0	1471.0
47.5°	1387.1	1387.9	1382.8	1377.7	1374.3
50°	1294.6	1294.6	1288.7	1284.4	1279.3
52.5°	1193.6	1191.9	1185.2	1180.9	1183.5
55°	1087.6	1086.7	1074.9	1070.6	1071.5
57.5°	971.4	973.1	955.2	951.0	951.0
60°	860.2	851.7	831.4	825.5	833.1
62.5°	744.0	733.8	711.8	711.8	717.7
65°	638.8	629.5	606.6	600.6	605.7
67.5°	540.4	531.9	510.7	507.3	509.0
70°	447.1	439.4	426.7	419.1	421.6
72.5°	366.5	359.7	351.2	345.3	341.9
75°	292.7	291.0	281.7	279.1	275.7
77.5°	231.6	230.8	223.1	219.7	216.3
80°	173.9	173.1	171.4	166.3	163.7
82.5°	123.9	123.9	123.0	118.8	116.2
85°	72.1	74.7	74.7	70.4	70.4
87.5°	28.8	30.5	28.8	28.8	28.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)