

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: P737927

Luminaire Tested: **14PT-60-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PW1-L830
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

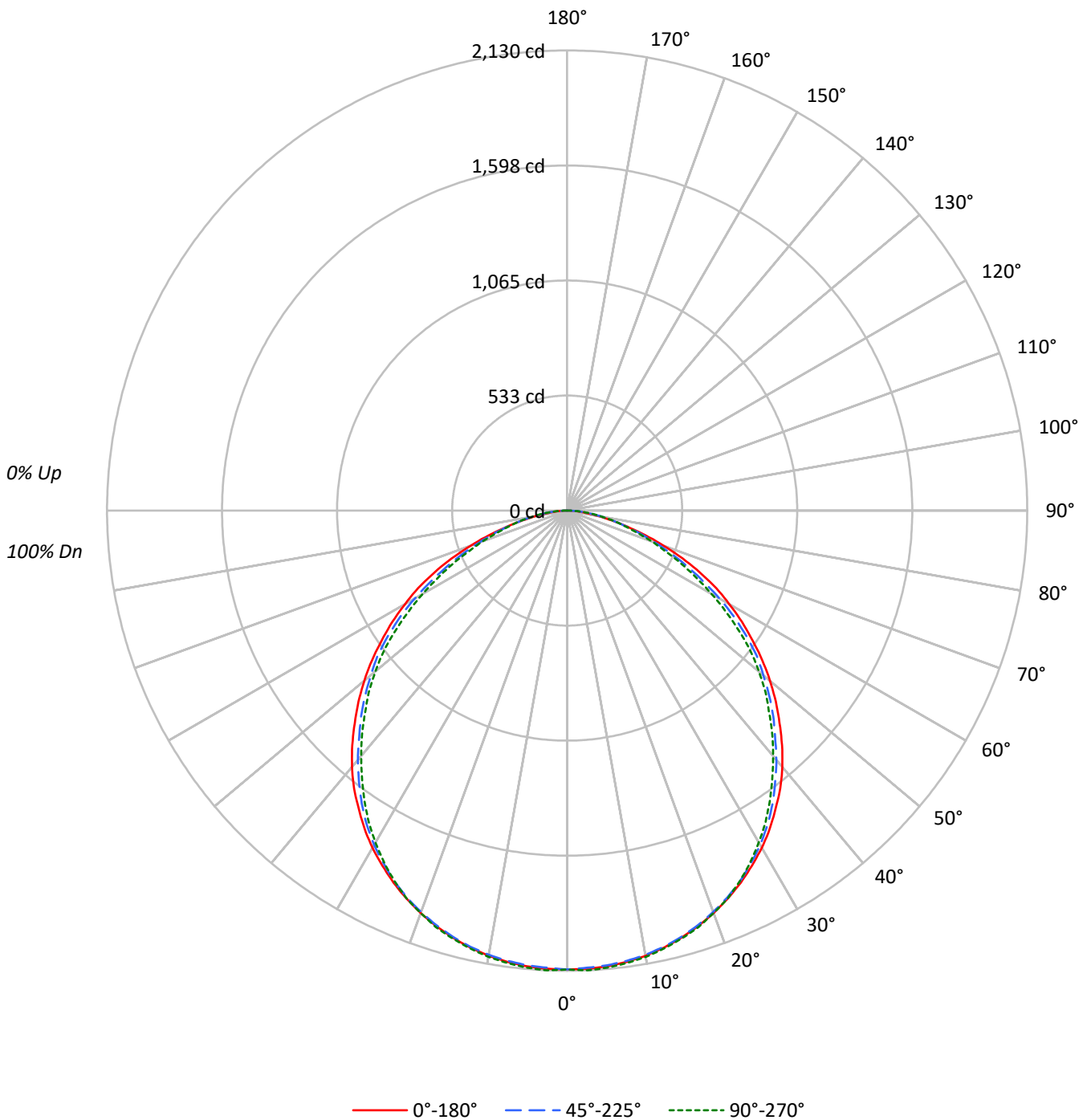
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5636.0 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6367	6367	6367
5°	6373	6359	6392
10°	6370	6355	6387
15°	6350	6341	6365
20°	6324	6309	6324
25°	6289	6263	6258
30°	6241	6186	6143
35°	6158	6065	5988
40°	6064	5898	5805
45°	5895	5722	5605
50°	5718	5531	5403
55°	5478	5293	5084
60°	5195	4888	4633
65°	4806	4366	4148
70°	4166	3801	3656
75°	3327	3254	3163
80°	2528	2826	2826
85°	1868	2408	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	3.6
10°-20°	577.7	10.2
20°-30°	873.0	15.5
30°-40°	1036.7	18.4
40°-50°	1044.4	18.5
50°-60°	902.8	16.0
60°-70°	617.0	10.9
70°-80°	304.3	5.4
80°-90°	78.7	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°	1652.1	29.3
0°-40°	2688.8	47.7
0°-60°	4636.0	82.3
0°-90°	5636.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2124	2124	2124	2124	2124	
5°	2118	2118	2113	2122	2124	201
15°	2046	2048	2043	2050	2051	578
25°	1901	1900	1893	1895	1892	876
35°	1682	1677	1657	1642	1636	1053
45°	1390	1376	1350	1334	1322	1073
55°	1048	1045	1013	983	973	937
65°	678	653	615	589	585	669
75°	287	285	281	281	273	313
85°	54	64	70	72	70	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2123.8	2123.8	2123.8	2123.8	2123.8
2.5°	2123.0	2123.8	2118.3	2127.8	2130.1
5°	2117.5	2118.3	2112.8	2121.5	2123.8
7.5°	2107.3	2108.9	2102.6	2111.2	2112.8
10°	2092.3	2093.1	2087.6	2096.3	2097.9
12.5°	2071.9	2072.7	2068.0	2075.8	2075.8
15°	2045.9	2048.3	2042.8	2049.9	2050.6
17.5°	2016.8	2017.6	2012.1	2020.0	2021.5
20°	1982.2	1982.2	1977.5	1983.8	1982.2
22.5°	1943.6	1943.6	1938.1	1941.3	1942.8
25°	1901.1	1899.6	1893.3	1894.8	1891.7
27.5°	1852.3	1852.3	1841.3	1841.3	1835.8
30°	1802.8	1798.8	1787.0	1780.0	1774.4
32.5°	1746.1	1740.6	1725.7	1713.1	1709.1
35°	1682.4	1676.9	1657.2	1642.2	1636.0
37.5°	1621.0	1608.4	1582.4	1567.5	1560.4
40°	1549.4	1533.7	1506.9	1486.4	1483.3
42.5°	1472.3	1459.7	1425.1	1410.1	1406.2
45°	1390.4	1375.5	1349.5	1333.8	1322.0
47.5°	1310.2	1299.2	1269.3	1250.4	1246.4
50°	1226.0	1216.5	1185.8	1165.4	1158.3
52.5°	1138.6	1132.3	1106.4	1080.4	1071.7
55°	1048.1	1045.0	1012.7	982.8	972.6
57.5°	959.2	955.3	915.2	880.5	871.1
60°	866.4	854.6	815.2	783.0	772.7
62.5°	778.2	753.1	710.6	685.4	673.6
65°	677.5	653.1	615.4	588.6	584.7
67.5°	578.4	549.3	520.1	503.6	491.0
70°	475.3	455.6	433.6	419.4	417.1
72.5°	379.3	365.1	354.1	345.4	338.4
75°	287.2	284.9	280.9	280.9	273.1
77.5°	210.9	216.4	219.5	218.8	220.3
80°	146.4	157.4	163.7	164.5	163.7
82.5°	92.9	105.4	115.7	117.2	118.8
85°	54.3	63.7	70.0	71.6	70.0
87.5°	24.4	30.7	32.3	33.8	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)