

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: P737887

Luminaire Tested: **14PT-60-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PB1-L830
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

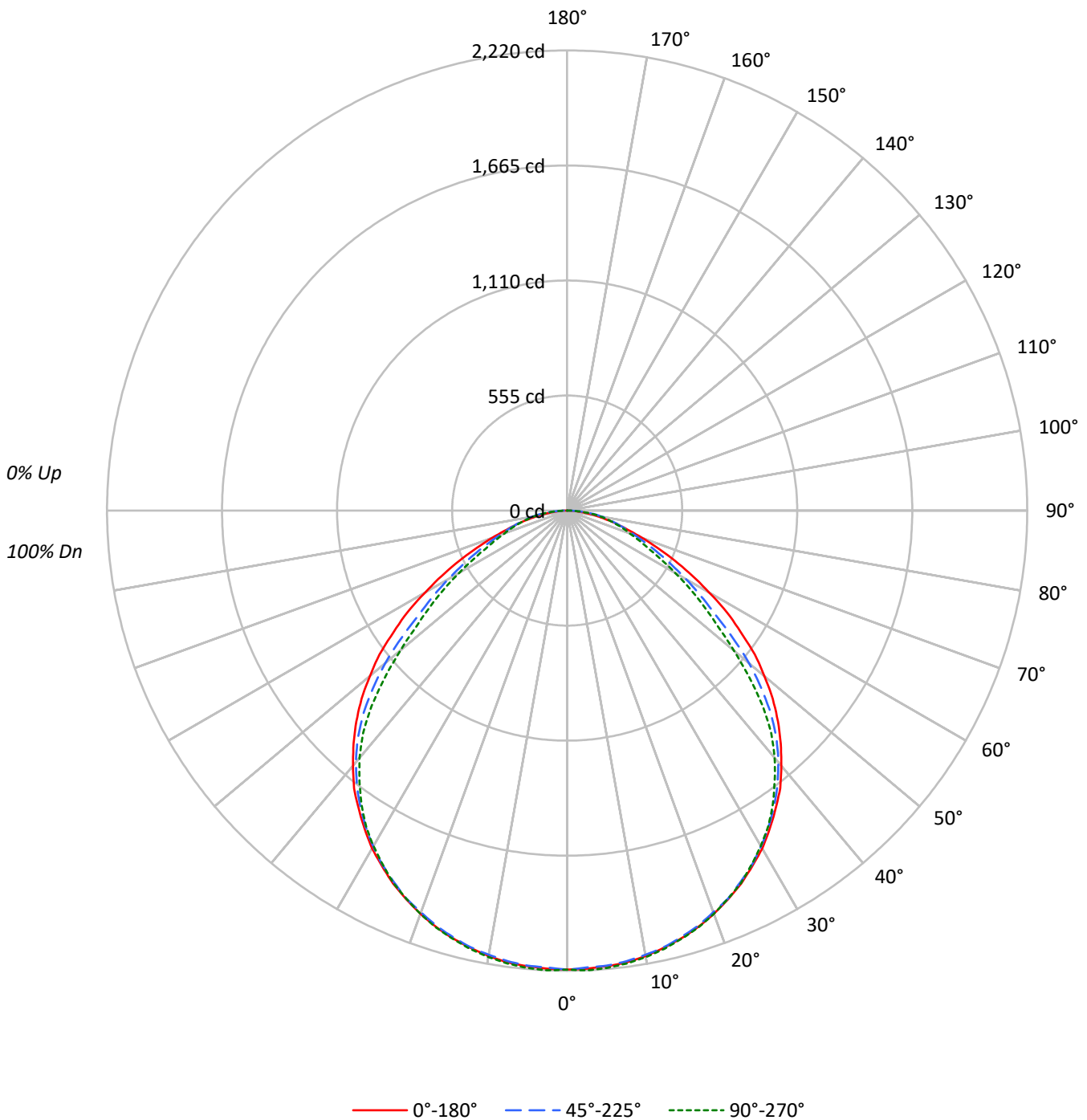
Lumens per Lamp: N/A
Luminaire Lumens: 5522.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P737887

CATALOG NUMBER: 14PT-60-PB1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P737887

CATALOG NUMBER: 14PT-60-PB1-L830

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6639	6639	6639
5°	6640	6632	6665
10°	6642	6626	6659
15°	6628	6611	6637
20°	6605	6579	6605
25°	6569	6542	6560
30°	6516	6478	6469
35°	6420	6371	6331
40°	6290	6204	6098
45°	6098	5902	5659
50°	5793	5349	4891
55°	5339	4542	4215
60°	4753	3969	3610
65°	4077	3440	3072
70°	3367	3032	2817
75°	2840	2903	2745
80°	2398	2963	2821
85°	1875	3000	2625



TEST NUMBER: P737887

CATALOG NUMBER: 14PT-60-PB1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.0	3.8
10°-20°	602.5	10.9
20°-30°	912.7	16.5
30°-40°	1087.5	19.7
40°-50°	1063.5	19.3
50°-60°	804.4	14.6
60°-70°	494.2	8.9
70°-80°	263.3	4.8
80°-90°	84.0	1.5
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°	1725.2	31.2
0°-40°	2812.7	50.9
0°-60°	4680.5	84.8
0°-90°	5522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2206	2209	2204	2212	2214	210
15°	2136	2138	2130	2138	2138	603
25°	1986	1983	1978	1980	1983	915
35°	1754	1752	1741	1732	1730	1097
45°	1438	1430	1392	1346	1335	1106
55°	1022	970	869	820	806	915
65°	575	528	485	447	433	572
75°	245	248	251	242	237	263
85°	54	71	87	82	76	66
90°	0	0	0	0	0	



TEST NUMBER: P737887

CATALOG NUMBER: 14PT-60-PB1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.5	2214.5	2214.5	2214.5	2214.5
2.5°	2211.8	2214.5	2206.4	2217.3	2220.0
5°	2206.4	2209.1	2203.6	2211.8	2214.5
7.5°	2198.2	2198.2	2192.7	2200.9	2203.6
10°	2181.9	2181.9	2176.4	2184.6	2187.3
12.5°	2160.1	2160.1	2157.3	2162.8	2165.5
15°	2135.5	2138.3	2130.1	2138.3	2138.3
17.5°	2105.6	2102.9	2100.1	2105.6	2108.3
20°	2070.2	2070.2	2062.0	2067.4	2070.2
22.5°	2029.3	2029.3	2026.6	2029.3	2026.6
25°	1985.7	1983.0	1977.6	1980.3	1983.0
27.5°	1934.0	1934.0	1928.5	1928.5	1925.8
30°	1882.2	1879.5	1871.3	1865.9	1868.6
32.5°	1819.6	1816.8	1808.7	1803.2	1806.0
35°	1754.2	1751.5	1740.6	1732.4	1729.7
37.5°	1688.8	1680.7	1667.0	1656.1	1645.2
40°	1607.1	1598.9	1585.3	1560.8	1558.1
42.5°	1525.4	1517.2	1495.4	1465.5	1457.3
45°	1438.2	1430.1	1391.9	1345.6	1334.7
47.5°	1345.6	1332.0	1272.1	1214.9	1193.1
50°	1242.1	1217.6	1146.8	1073.2	1048.7
52.5°	1141.3	1097.7	1005.1	939.7	915.2
55°	1021.5	969.7	868.9	819.9	806.3
57.5°	915.2	844.4	762.7	713.7	702.8
60°	792.7	727.3	661.9	618.3	602.0
62.5°	681.0	623.8	569.3	531.2	512.1
65°	574.7	528.4	484.9	446.7	433.1
67.5°	471.2	446.7	411.3	381.3	373.2
70°	384.1	370.5	345.9	332.3	321.4
72.5°	305.1	310.5	294.2	288.7	280.6
75°	245.2	247.9	250.6	242.4	237.0
77.5°	185.2	198.8	209.7	204.3	198.8
80°	138.9	152.5	171.6	163.4	163.4
82.5°	95.3	111.7	128.0	122.6	119.9
85°	54.5	70.8	87.2	81.7	76.3
87.5°	21.8	35.4	38.1	38.1	35.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)