

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: P738023

Luminaire Tested: **14PT-80-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738023
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-80-PW1-L830
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

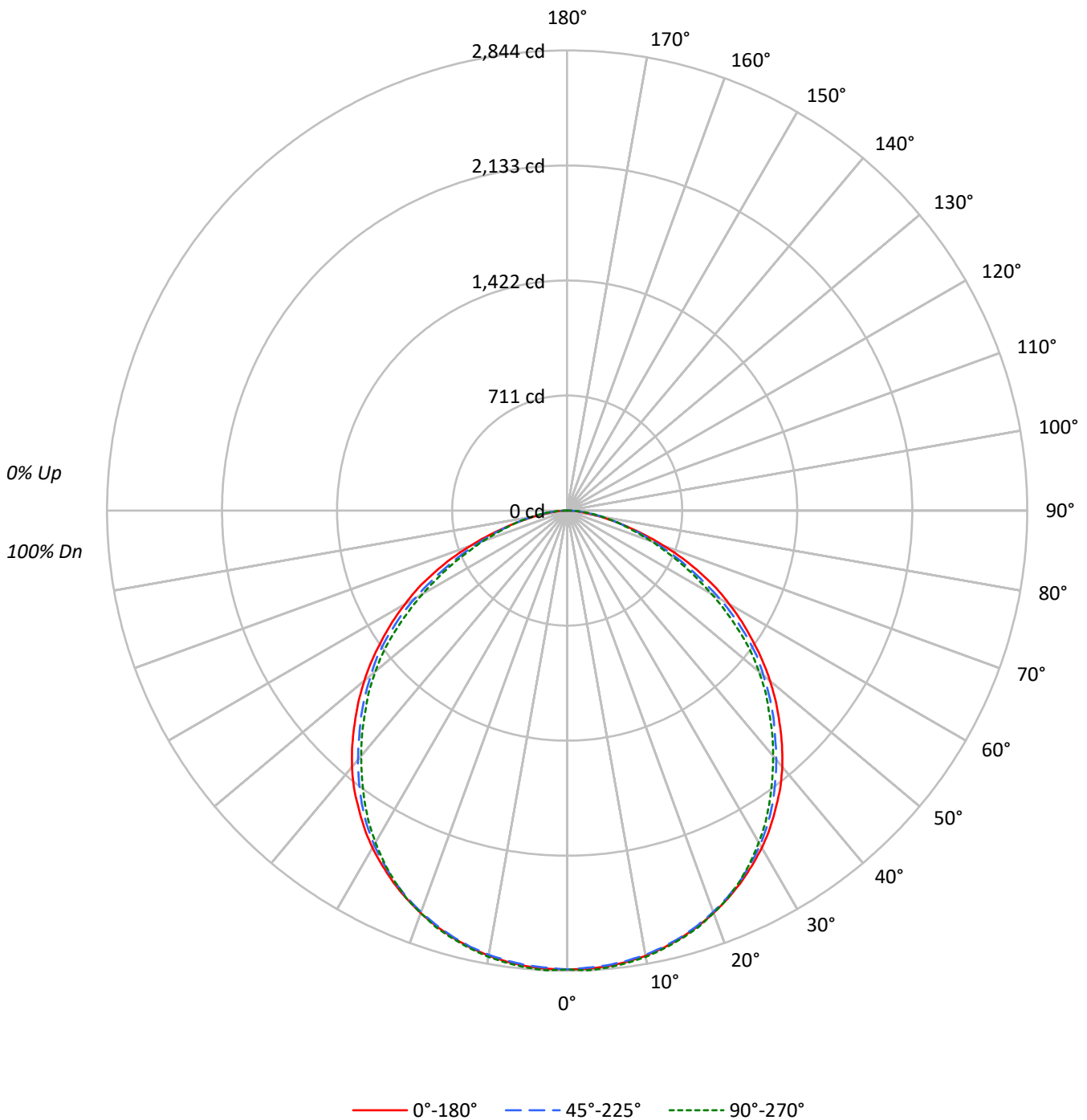
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7525.0 lumens
Efficiency: N/A
Efficacy: 106.0 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): 71
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: P738023
CATALOG NUMBER: 14PT-80-PW1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738023

CATALOG NUMBER: 14PT-80-PW1-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	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°	8502	8502	8502
5°	8509	8490	8534
10°	8505	8485	8527
15°	8478	8465	8498
20°	8444	8424	8444
25°	8397	8362	8355
30°	8333	8260	8202
35°	8221	8098	7994
40°	8096	7874	7751
45°	7871	7639	7484
50°	7635	7385	7213
55°	7315	7068	6788
60°	6936	6527	6186
65°	6417	5828	5538
70°	5563	5075	4881
75°	4442	4345	4223
80°	3374	3772	3772
85°	2494	3216	3216



TEST NUMBER: P738023

CATALOG NUMBER: 14PT-80-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	3.6
10°-20°	771.3	10.2
20°-30°	1165.7	15.5
30°-40°	1384.1	18.4
40°-50°	1394.5	18.5
50°-60°	1205.4	16.0
60°-70°	823.8	10.9
70°-80°	406.3	5.4
80°-90°	105.1	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°	2205.9	29.3
0°-40°	3590.0	47.7
0°-60°	6189.9	82.3
0°-90°	7525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2836	2836	2836	2836	2836	
5°	2827	2828	2821	2832	2836	269
15°	2732	2735	2727	2737	2738	771
25°	2538	2536	2528	2530	2526	1169
35°	2246	2239	2213	2193	2184	1406
45°	1856	1836	1802	1781	1765	1433
55°	1399	1395	1352	1312	1299	1251
65°	905	872	822	786	781	893
75°	384	380	375	375	365	418
85°	72	85	94	96	94	89
90°	0	0	0	0	0	



TEST NUMBER: P738023

CATALOG NUMBER: 14PT-80-PW1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2835.7	2835.7	2835.7	2835.7	2835.7
2.5°	2834.6	2835.7	2828.3	2840.9	2844.1
5°	2827.3	2828.3	2821.0	2832.5	2835.7
7.5°	2813.6	2815.7	2807.3	2818.8	2821.0
10°	2793.6	2794.7	2787.3	2798.9	2801.0
12.5°	2766.3	2767.4	2761.1	2771.6	2771.6
15°	2731.6	2734.8	2727.4	2736.9	2738.0
17.5°	2692.8	2693.8	2686.5	2697.0	2699.1
20°	2646.5	2646.5	2640.2	2648.6	2646.5
22.5°	2595.1	2595.1	2587.7	2591.9	2594.0
25°	2538.3	2536.2	2527.8	2529.9	2525.7
27.5°	2473.2	2473.2	2458.5	2458.5	2451.1
30°	2407.0	2401.7	2386.0	2376.5	2369.2
32.5°	2331.4	2324.0	2304.0	2287.2	2282.0
35°	2246.3	2238.9	2212.6	2192.7	2184.3
37.5°	2164.3	2147.5	2112.8	2092.9	2083.4
40°	2068.7	2047.7	2012.0	1984.6	1980.4
42.5°	1965.7	1948.9	1902.7	1882.7	1877.5
45°	1856.5	1836.5	1801.8	1780.8	1765.1
47.5°	1749.3	1734.6	1694.7	1669.5	1664.2
50°	1636.9	1624.3	1583.3	1556.0	1546.5
52.5°	1520.3	1511.9	1477.2	1442.5	1431.0
55°	1399.4	1395.2	1352.2	1312.2	1298.6
57.5°	1280.7	1275.5	1221.9	1175.7	1163.1
60°	1156.7	1141.0	1088.5	1045.4	1031.7
62.5°	1039.1	1005.5	948.7	915.1	899.3
65°	904.6	872.0	821.6	785.9	780.6
67.5°	772.2	733.3	694.5	672.4	655.6
70°	634.6	608.3	578.9	560.0	556.8
72.5°	506.4	487.5	472.8	461.2	451.8
75°	383.5	380.3	375.1	375.1	364.6
77.5°	281.6	288.9	293.1	292.1	294.2
80°	195.4	210.1	218.5	219.6	218.5
82.5°	124.0	140.8	154.4	156.5	158.6
85°	72.5	85.1	93.5	95.6	93.5
87.5°	32.6	41.0	43.1	45.2	43.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)