

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: P738027

Luminaire Tested: **14PT-80-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738027
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-L930
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

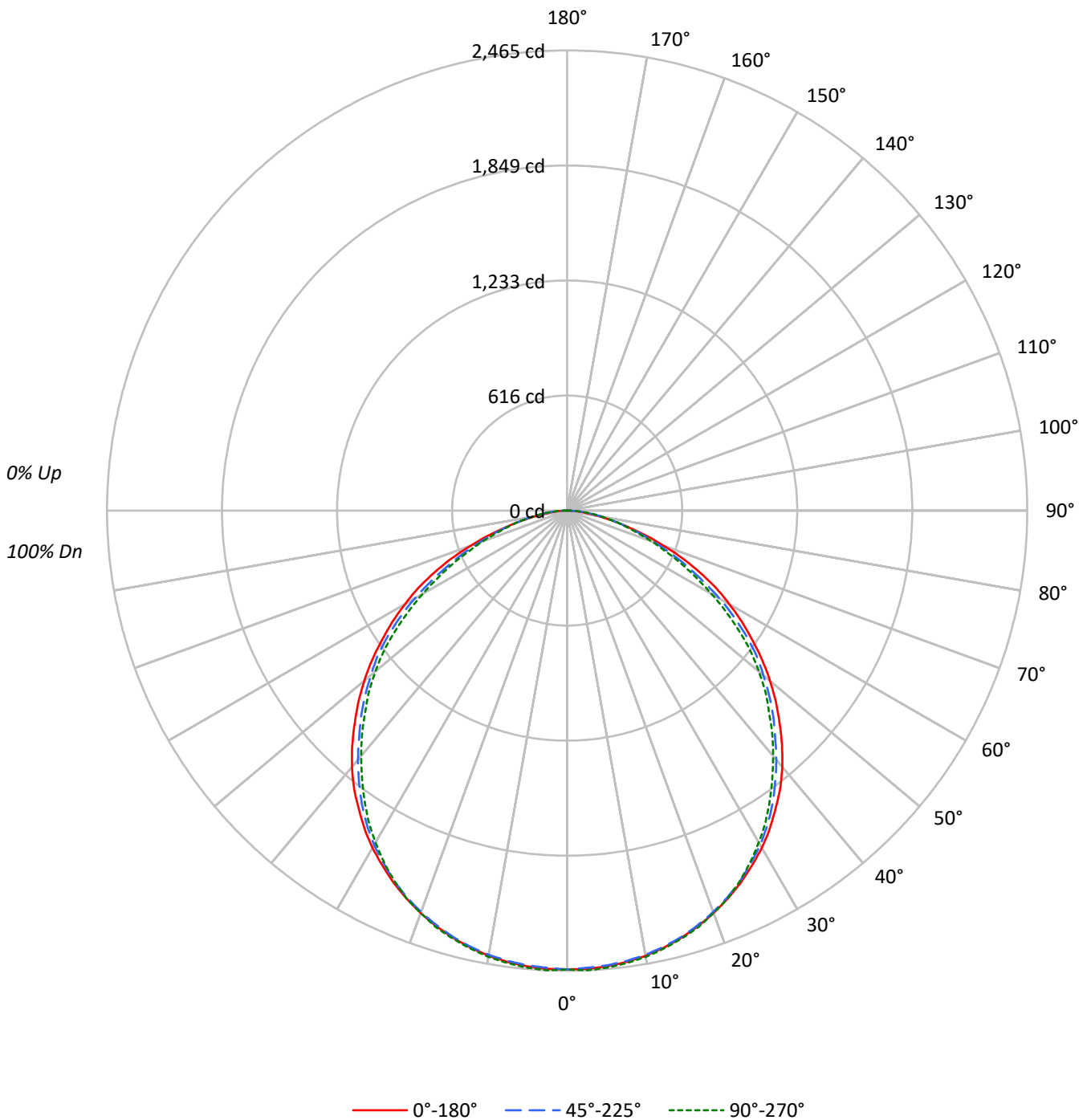
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6522.0 lumens
Efficiency: N/A
Efficacy: 91.9 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 (Ain): 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	48	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°	7368	7368	7368
5°	7375	7358	7397
10°	7371	7354	7390
15°	7348	7337	7365
20°	7318	7301	7318
25°	7278	7248	7242
30°	7222	7159	7109
35°	7126	7019	6929
40°	7017	6825	6718
45°	6822	6621	6486
50°	6617	6401	6252
55°	6340	6125	5883
60°	6012	5657	5362
65°	5562	5052	4800
70°	4821	4398	4230
75°	3850	3766	3660
80°	2925	3270	3270
85°	2160	2786	2786



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	3.6
10°-20°	668.5	10.2
20°-30°	1010.3	15.5
30°-40°	1199.6	18.4
40°-50°	1208.6	18.5
50°-60°	1044.7	16.0
60°-70°	714.0	10.9
70°-80°	352.1	5.4
80°-90°	91.1	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°	1911.9	29.3
0°-40°	3111.5	47.7
0°-60°	5364.8	82.3
0°-90°	6522.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6522.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2458	2458	2458	2458	2458	
5°	2450	2451	2445	2455	2458	233
15°	2368	2370	2364	2372	2373	668
25°	2200	2198	2191	2193	2189	1013
35°	1947	1940	1918	1900	1893	1219
45°	1609	1592	1562	1544	1530	1242
55°	1213	1209	1172	1137	1126	1085
65°	784	756	712	681	677	774
75°	332	330	325	325	316	362
85°	63	74	81	83	81	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2457.7	2457.7	2457.7	2457.7	2457.7
2.5°	2456.8	2457.7	2451.3	2462.3	2465.0
5°	2450.4	2451.3	2444.9	2455.0	2457.7
7.5°	2438.6	2440.4	2433.1	2443.1	2444.9
10°	2421.3	2422.2	2415.8	2425.8	2427.6
12.5°	2397.6	2398.5	2393.0	2402.2	2402.2
15°	2367.5	2370.3	2363.9	2372.1	2373.0
17.5°	2333.9	2334.8	2328.4	2337.5	2339.3
20°	2293.8	2293.8	2288.3	2295.6	2293.8
22.5°	2249.2	2249.2	2242.8	2246.4	2248.3
25°	2200.0	2198.2	2190.9	2192.7	2189.1
27.5°	2143.5	2143.5	2130.8	2130.8	2124.4
30°	2086.2	2081.6	2068.0	2059.8	2053.4
32.5°	2020.6	2014.2	1996.9	1982.4	1977.8
35°	1946.9	1940.5	1917.7	1900.4	1893.1
37.5°	1875.8	1861.3	1831.2	1813.9	1805.7
40°	1793.0	1774.8	1743.8	1720.1	1716.5
42.5°	1703.7	1689.2	1649.1	1631.8	1627.2
45°	1609.0	1591.7	1561.7	1543.5	1529.8
47.5°	1516.1	1503.4	1468.8	1446.9	1442.4
50°	1418.7	1407.8	1372.3	1348.6	1340.4
52.5°	1317.6	1310.3	1280.3	1250.2	1240.2
55°	1212.9	1209.3	1171.9	1137.3	1125.5
57.5°	1110.0	1105.5	1059.0	1019.0	1008.0
60°	1002.6	988.9	943.4	906.0	894.2
62.5°	900.6	871.4	822.3	793.1	779.5
65°	784.0	755.8	712.1	681.1	676.6
67.5°	669.3	635.6	601.9	582.8	568.2
70°	550.0	527.2	501.7	485.3	482.6
72.5°	438.9	422.5	409.8	399.8	391.6
75°	332.4	329.6	325.1	325.1	316.0
77.5°	244.0	250.4	254.1	253.1	255.0
80°	169.4	182.1	189.4	190.3	189.4
82.5°	107.5	122.0	133.9	135.7	137.5
85°	62.8	73.8	81.0	82.9	81.0
87.5°	28.2	35.5	37.3	39.2	37.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)