

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: P738651

Luminaire Tested: **24PT-72-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PW1-L930
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

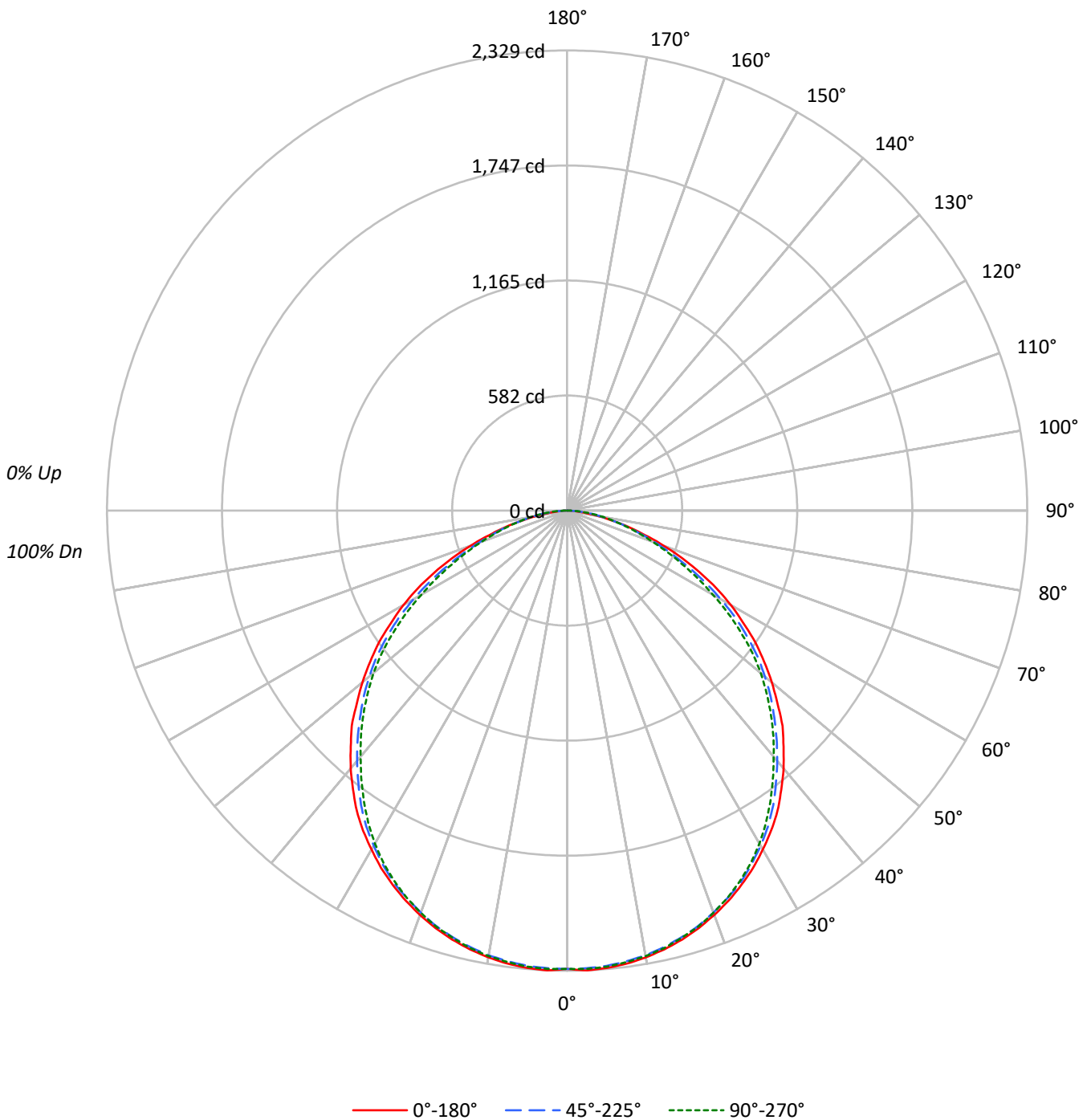
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6186.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60.1
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3327	3327	3327
5°	3345	3329	3335
10°	3343	3327	3333
15°	3336	3318	3322
20°	3323	3304	3306
25°	3305	3286	3274
30°	3279	3241	3221
35°	3250	3184	3139
40°	3190	3096	3044
45°	3127	3006	2957
50°	3016	2914	2853
55°	2906	2782	2681
60°	2747	2578	2445
65°	2514	2296	2178
70°	2179	1991	1918
75°	1783	1717	1694
80°	1301	1467	1512
85°	872	1224	1301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	3.6
10°-20°	631.7	10.2
20°-30°	956.0	15.5
30°-40°	1137.5	18.4
40°-50°	1149.0	18.6
50°-60°	994.2	16.1
60°-70°	679.2	11.0
70°-80°	334.7	5.4
80°-90°	83.6	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°	1807.7	29.2
0°-40°	2945.2	47.6
0°-60°	5088.5	82.3
0°-90°	6186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2320	2320	2320	2320	2320	
5°	2324	2315	2313	2311	2317	221
15°	2248	2240	2236	2234	2238	634
25°	2089	2081	2077	2069	2069	963
35°	1856	1841	1819	1799	1794	1159
45°	1542	1516	1482	1466	1458	1184
55°	1162	1146	1113	1089	1072	1035
65°	741	713	677	655	642	732
75°	322	313	310	308	306	344
85°	53	66	74	77	79	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2320.0	2320.0	2320.0	2320.0	2320.0
2.5°	2329.4	2320.7	2318.0	2316.0	2322.0
5°	2324.0	2315.3	2312.6	2310.6	2317.3
7.5°	2312.6	2303.9	2301.2	2299.2	2304.6
10°	2295.8	2287.8	2285.1	2283.1	2289.1
12.5°	2274.4	2267.0	2263.6	2261.0	2267.7
15°	2247.6	2240.2	2235.5	2234.1	2238.2
17.5°	2215.4	2208.0	2204.6	2202.6	2207.3
20°	2177.8	2169.7	2165.1	2162.4	2166.4
22.5°	2136.2	2128.2	2122.1	2119.4	2120.8
25°	2089.3	2081.2	2077.2	2069.1	2069.1
27.5°	2039.0	2029.6	2019.5	2010.8	2011.5
30°	1980.6	1969.9	1957.8	1946.4	1945.7
32.5°	1921.6	1908.2	1893.4	1878.0	1873.3
35°	1856.5	1841.1	1819.0	1798.8	1793.5
37.5°	1780.1	1766.0	1736.5	1719.7	1711.0
40°	1704.3	1684.2	1654.0	1634.5	1626.5
42.5°	1621.1	1601.7	1569.5	1551.4	1544.6
45°	1542.0	1515.8	1482.3	1465.5	1458.1
47.5°	1443.4	1421.9	1398.4	1379.0	1369.6
50°	1352.2	1334.7	1306.5	1285.1	1279.0
52.5°	1256.9	1242.2	1215.3	1187.2	1180.5
55°	1162.3	1146.2	1112.7	1089.2	1072.5
57.5°	1055.7	1041.6	1010.1	979.9	965.2
60°	957.8	933.6	898.8	865.9	852.5
62.5°	851.1	827.7	787.4	753.9	746.5
65°	741.1	713.0	676.7	654.6	641.9
67.5°	629.8	602.3	572.1	558.0	550.0
70°	519.8	497.7	474.9	464.8	457.4
72.5°	413.8	401.1	388.3	384.3	377.6
75°	321.9	312.6	309.9	307.9	305.8
77.5°	232.1	236.8	239.4	242.1	239.4
80°	157.6	167.7	177.7	183.1	183.1
82.5°	97.3	114.7	123.4	128.8	128.1
85°	53.0	65.7	74.4	77.1	79.1
87.5°	21.5	26.8	30.2	32.9	34.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)