

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: P738636

Luminaire Tested: **24PT-72-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-72-PL1-L935
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

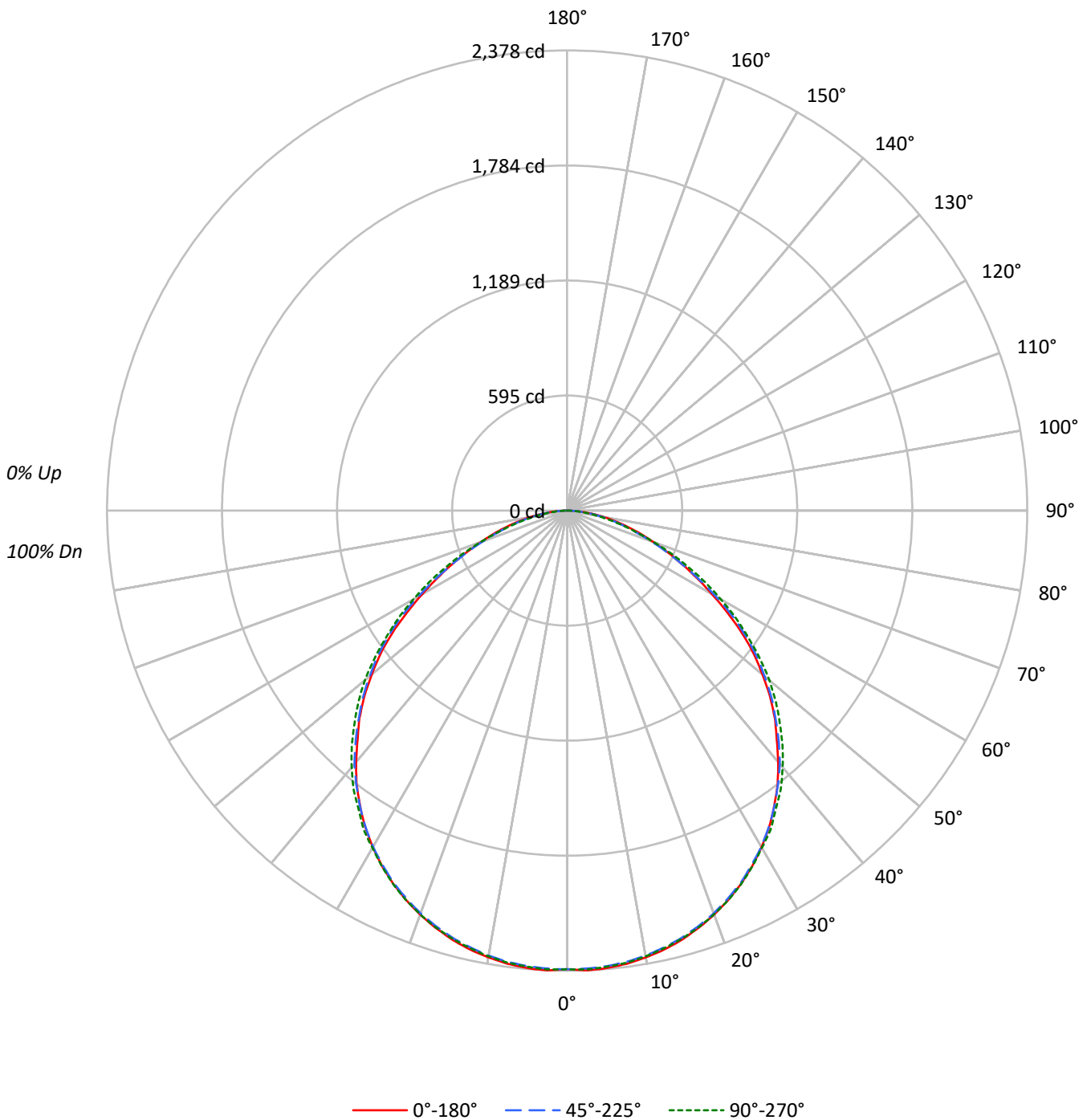
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6274.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3399	3399	3399
5°	3416	3401	3406
10°	3413	3400	3406
15°	3407	3393	3400
20°	3390	3380	3388
25°	3365	3358	3368
30°	3325	3321	3332
35°	3265	3266	3291
40°	3175	3200	3243
45°	3077	3091	3151
50°	2939	2973	3044
55°	2759	2810	2853
60°	2477	2538	2632
65°	2217	2221	2342
70°	1977	1922	1991
75°	1786	1680	1649
80°	1586	1480	1305
85°	1300	1232	1020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	3.6
10°-20°	645.6	10.3
20°-30°	978.1	15.6
30°-40°	1168.8	18.6
40°-50°	1179.1	18.8
50°-60°	1000.4	15.9
60°-70°	661.9	10.5
70°-80°	328.5	5.2
80°-90°	86.9	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°	1848.5	29.5
0°-40°	3017.3	48.1
0°-60°	5196.8	82.8
0°-90°	6274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2370	2370	2370	2370	2370	
5°	2373	2365	2363	2361	2366	226
15°	2295	2288	2286	2286	2291	648
25°	2127	2122	2122	2122	2129	980
35°	1865	1863	1866	1876	1880	1165
45°	1517	1515	1524	1544	1554	1167
55°	1104	1106	1124	1134	1141	981
65°	653	652	655	675	690	652
75°	322	313	303	294	298	345
85°	79	79	75	69	62	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2370.3	2370.3	2370.3	2370.3	2370.3
2.5°	2378.5	2371.0	2368.9	2367.6	2373.0
5°	2373.0	2364.8	2362.8	2361.4	2366.2
7.5°	2362.1	2353.3	2351.9	2350.5	2356.7
10°	2344.4	2336.2	2334.9	2333.5	2339.0
12.5°	2323.3	2315.1	2312.4	2313.1	2316.5
15°	2295.3	2287.9	2285.8	2285.8	2290.6
17.5°	2260.6	2253.8	2252.4	2251.7	2257.9
20°	2221.8	2215.0	2215.0	2217.0	2220.4
22.5°	2177.5	2172.7	2170.0	2171.3	2178.2
25°	2127.1	2122.3	2122.3	2121.6	2129.1
27.5°	2071.2	2065.1	2065.1	2070.5	2073.2
30°	2008.5	2003.1	2005.8	2009.9	2012.6
32.5°	1941.1	1937.7	1939.7	1945.8	1956.7
35°	1865.4	1862.7	1866.1	1876.3	1880.4
37.5°	1786.4	1784.4	1789.1	1802.8	1814.3
40°	1696.5	1696.5	1709.4	1721.7	1732.6
42.5°	1603.1	1609.3	1618.8	1637.9	1647.4
45°	1517.3	1515.2	1524.1	1544.5	1554.1
47.5°	1421.9	1419.9	1432.8	1447.1	1462.8
50°	1317.7	1317.0	1332.7	1344.9	1364.7
52.5°	1216.1	1222.3	1232.5	1243.4	1255.0
55°	1103.7	1106.5	1124.2	1134.4	1141.2
57.5°	982.5	991.3	1013.1	1028.1	1034.2
60°	863.9	869.4	885.0	911.6	917.7
62.5°	756.3	758.3	767.8	797.8	806.0
65°	653.4	652.0	654.7	675.2	690.2
67.5°	560.0	554.6	554.6	565.5	583.9
70°	471.5	463.3	458.5	461.9	474.9
72.5°	397.2	386.3	374.0	372.0	380.2
75°	322.3	313.4	303.2	293.6	297.7
77.5°	256.9	249.4	239.8	228.9	223.5
80°	192.1	189.4	179.2	169.0	158.1
82.5°	134.2	132.2	125.4	117.2	110.4
85°	79.0	79.0	74.9	68.8	62.0
87.5°	35.4	34.1	35.4	30.0	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)