

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: P738653

Luminaire Tested: **24PT-72-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738653
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-L940
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

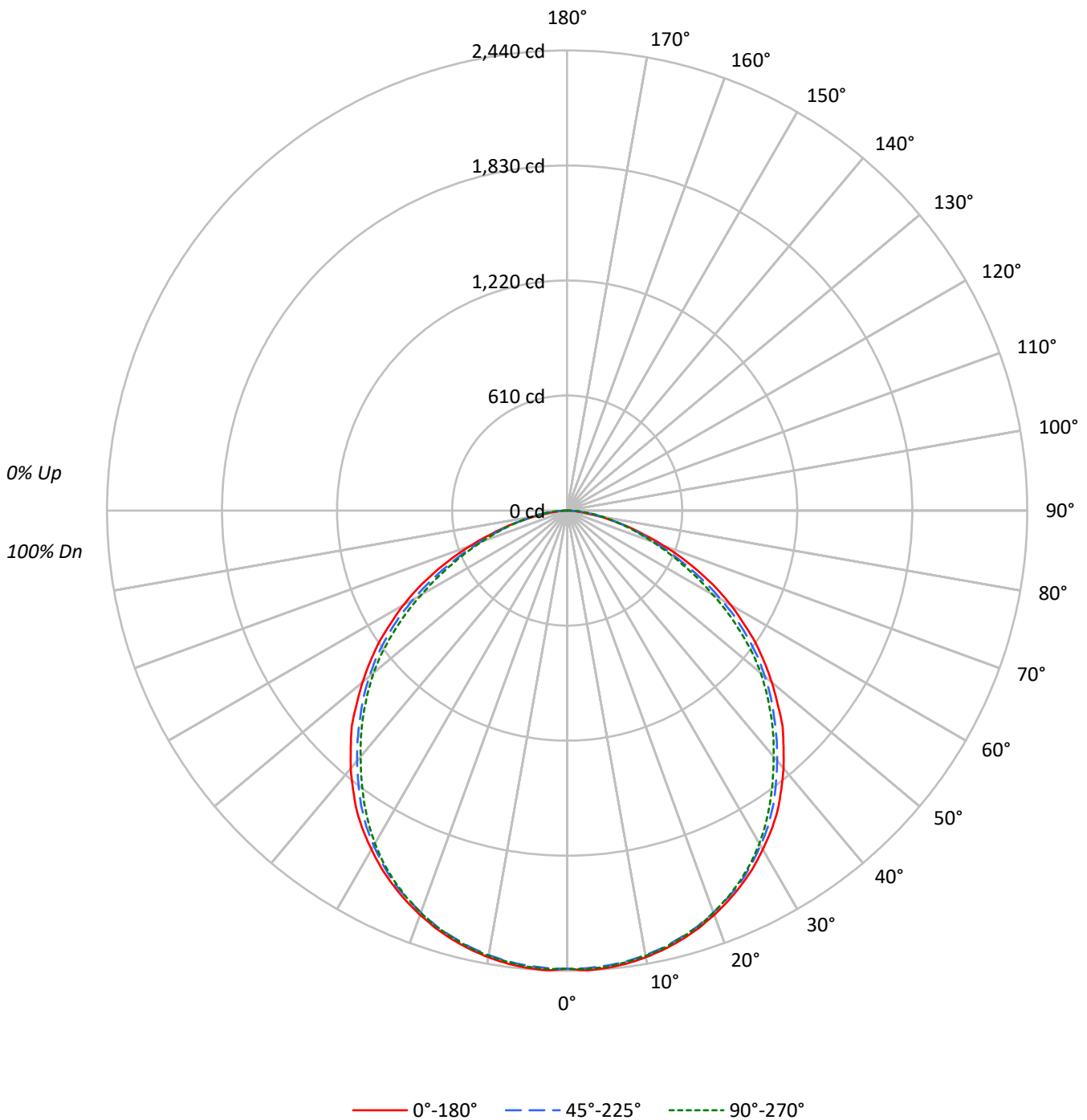
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6480.0 lumens
Efficiency: N/A
Efficacy: 107.8 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 (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	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°	3485	3485	3485
5°	3504	3487	3494
10°	3502	3485	3491
15°	3495	3476	3480
20°	3481	3461	3463
25°	3463	3442	3429
30°	3435	3396	3375
35°	3404	3335	3289
40°	3342	3243	3189
45°	3275	3149	3097
50°	3160	3053	2989
55°	3044	2914	2808
60°	2877	2700	2561
65°	2634	2405	2281
70°	2283	2085	2009
75°	1868	1798	1775
80°	1363	1538	1584
85°	913	1283	1364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	3.6
10°-20°	661.7	10.2
20°-30°	1001.4	15.5
30°-40°	1191.6	18.4
40°-50°	1203.6	18.6
50°-60°	1041.5	16.1
60°-70°	711.5	11.0
70°-80°	350.6	5.4
80°-90°	87.6	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°	1893.6	29.2
0°-40°	3085.2	47.6
0°-60°	5330.3	82.3
0°-90°	6480.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6480.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2430	2430	2430	2430	2430	
5°	2434	2425	2422	2420	2427	231
15°	2354	2347	2342	2340	2344	664
25°	2189	2180	2176	2168	2168	1009
35°	1945	1929	1905	1884	1879	1214
45°	1615	1588	1553	1535	1527	1240
55°	1218	1201	1166	1141	1123	1084
65°	776	747	709	686	672	767
75°	337	327	325	322	320	360
85°	56	69	78	81	83	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2430.3	2430.3	2430.3	2430.3	2430.3
2.5°	2440.1	2431.0	2428.1	2426.0	2432.4
5°	2434.5	2425.3	2422.5	2420.4	2427.4
7.5°	2422.5	2413.4	2410.6	2408.5	2414.1
10°	2405.0	2396.5	2393.7	2391.6	2397.9
12.5°	2382.5	2374.7	2371.2	2368.4	2375.4
15°	2354.4	2346.6	2341.7	2340.3	2344.5
17.5°	2320.6	2312.9	2309.4	2307.3	2312.2
20°	2281.3	2272.9	2268.0	2265.1	2269.4
22.5°	2237.7	2229.3	2223.0	2220.2	2221.6
25°	2188.6	2180.1	2175.9	2167.5	2167.5
27.5°	2135.9	2126.0	2115.5	2106.4	2107.1
30°	2074.7	2063.5	2050.9	2038.9	2038.2
32.5°	2012.9	1998.9	1983.4	1967.2	1962.3
35°	1944.8	1928.6	1905.4	1884.3	1878.7
37.5°	1864.7	1849.9	1819.0	1801.4	1792.3
40°	1785.3	1764.2	1732.6	1712.2	1703.8
42.5°	1698.2	1677.8	1644.1	1625.1	1618.1
45°	1615.2	1587.8	1552.7	1535.2	1527.4
47.5°	1512.0	1489.5	1464.9	1444.5	1434.7
50°	1416.4	1398.1	1368.6	1346.2	1339.8
52.5°	1316.6	1301.2	1273.1	1243.6	1236.6
55°	1217.6	1200.7	1165.6	1141.0	1123.4
57.5°	1105.9	1091.1	1058.1	1026.5	1011.0
60°	1003.3	978.0	941.5	907.0	893.0
62.5°	891.6	867.0	824.8	789.7	782.0
65°	776.4	746.9	708.9	685.7	672.4
67.5°	659.7	630.9	599.3	584.6	576.1
70°	544.5	521.3	497.4	486.9	479.2
72.5°	433.5	420.1	406.8	402.6	395.6
75°	337.2	327.4	324.6	322.5	320.4
77.5°	243.1	248.0	250.8	253.6	250.8
80°	165.1	175.6	186.2	191.8	191.8
82.5°	101.9	120.1	129.3	134.9	134.2
85°	55.5	68.9	78.0	80.8	82.9
87.5°	22.5	28.1	31.6	34.4	35.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)