

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: P738361

Luminaire Tested: **22PT-60-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PW1-L840
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

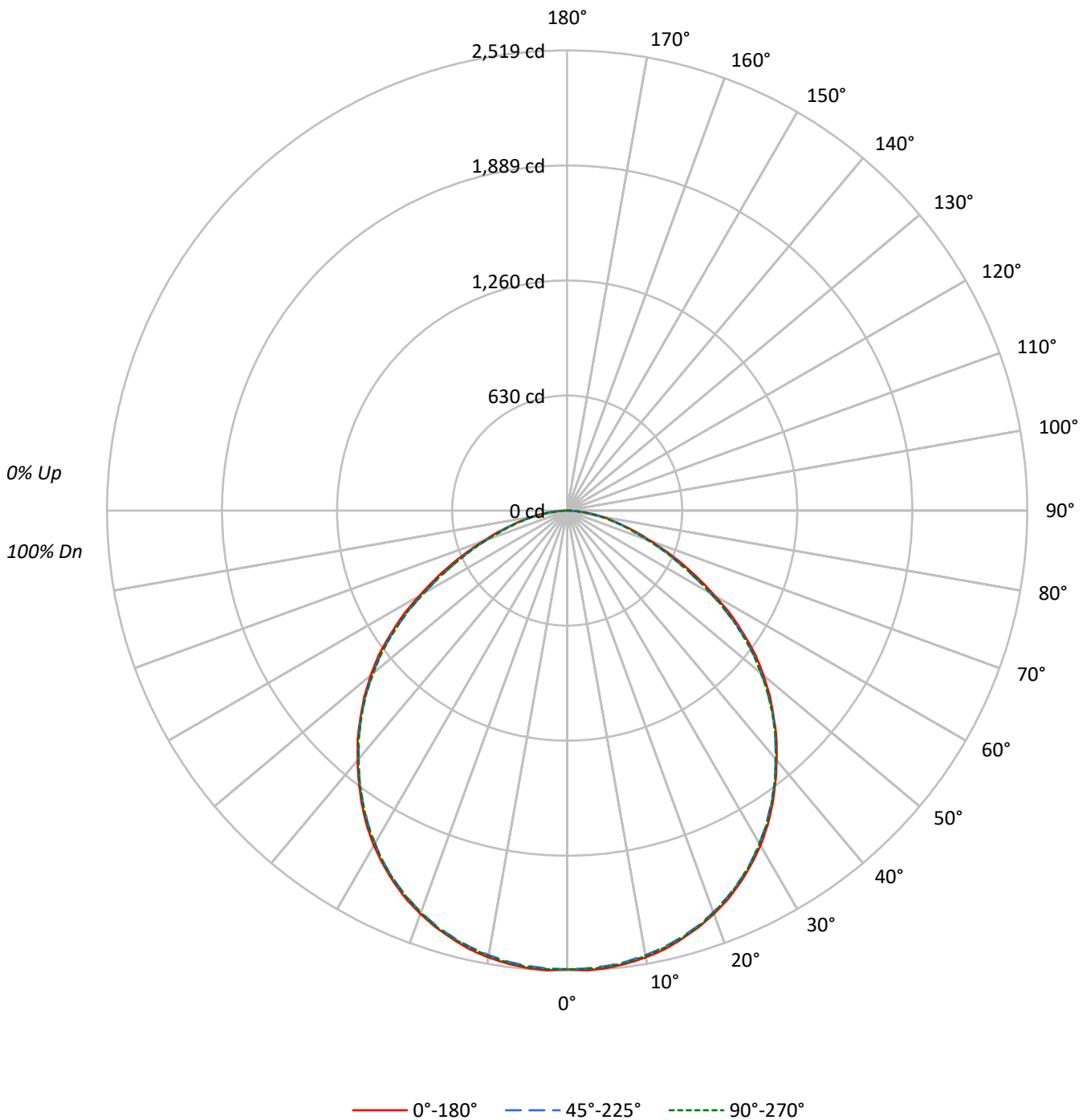
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6539.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
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: P738361
CATALOG NUMBER: 22PT-60-PW1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P738361

CATALOG NUMBER: 22PT-60-PW1-L840

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	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7357	7357	7357
5°	7393	7360	7375
10°	7388	7352	7367
15°	7364	7331	7349
20°	7325	7295	7305
25°	7259	7227	7236
30°	7164	7118	7127
35°	7011	6973	6978
40°	6824	6789	6795
45°	6627	6603	6594
50°	6398	6326	6310
55°	6028	5948	5915
60°	5472	5313	5326
65°	4865	4638	4638
70°	4170	4018	3988
75°	3618	3537	3456
80°	3255	3122	3063
85°	2585	2609	2464



TEST NUMBER: P738361

CATALOG NUMBER: 22PT-60-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	3.6
10°-20°	682.7	10.4
20°-30°	1030.0	15.8
30°-40°	1219.9	18.7
40°-50°	1228.1	18.8
50°-60°	1038.4	15.9
60°-70°	675.2	10.3
70°-80°	336.0	5.1
80°-90°	90.6	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°	1950.8	29.8
0°-40°	3170.8	48.5
0°-60°	5437.2	83.2
0°-90°	6539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2511	2511	2511	2511	2511	
5°	2514	2504	2502	2501	2507	239
15°	2428	2420	2417	2416	2423	685
25°	2245	2238	2235	2233	2238	1034
35°	1960	1952	1949	1949	1951	1225
45°	1599	1594	1594	1591	1591	1234
55°	1180	1170	1164	1159	1158	1053
65°	702	682	669	664	669	696
75°	320	320	312	304	305	346
85°	77	78	78	78	73	92
90°	0	0	0	0	0	



TEST NUMBER: P738361

CATALOG NUMBER: 22PT-60-PW1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2510.9	2510.9	2510.9	2510.9	2510.9
2.5°	2519.4	2510.9	2508.0	2506.6	2513.0
5°	2513.7	2504.5	2502.3	2500.9	2507.3
7.5°	2500.9	2492.4	2489.5	2488.8	2495.2
10°	2483.1	2474.6	2471.0	2469.6	2476.0
12.5°	2460.3	2451.1	2447.5	2446.1	2451.8
15°	2427.6	2419.8	2416.9	2416.2	2422.6
17.5°	2392.0	2384.2	2382.8	2380.6	2387.0
20°	2349.3	2341.5	2339.4	2336.5	2342.9
22.5°	2302.3	2293.1	2290.2	2288.1	2293.1
25°	2245.4	2237.6	2235.4	2233.3	2238.3
27.5°	2182.8	2177.1	2174.2	2172.1	2175.0
30°	2117.3	2107.3	2103.8	2102.4	2106.6
32.5°	2041.9	2034.7	2029.8	2029.1	2034.0
35°	1960.0	1951.5	1949.3	1949.3	1950.8
37.5°	1873.2	1868.9	1865.4	1863.2	1867.5
40°	1784.2	1782.8	1775.0	1774.3	1776.4
42.5°	1696.7	1691.0	1685.3	1688.2	1689.6
45°	1599.2	1593.5	1593.5	1591.4	1591.4
47.5°	1505.2	1499.6	1491.7	1492.4	1493.9
50°	1403.5	1396.4	1387.8	1392.8	1384.3
52.5°	1299.6	1286.8	1280.3	1280.3	1279.6
55°	1180.0	1170.0	1164.3	1159.4	1157.9
57.5°	1064.7	1049.8	1035.5	1036.9	1041.9
60°	933.7	926.6	906.7	908.1	908.8
62.5°	815.6	802.1	781.4	781.4	788.6
65°	701.7	682.5	669.0	664.0	669.0
67.5°	590.0	579.3	567.9	560.1	567.2
70°	486.8	481.1	469.0	461.2	465.5
72.5°	402.8	395.0	385.0	380.8	376.5
75°	319.6	319.6	312.4	303.9	305.3
77.5°	251.9	249.8	244.8	241.3	241.3
80°	192.9	190.7	185.0	183.6	181.5
82.5°	133.1	133.8	131.0	128.8	126.0
85°	76.9	78.3	77.6	77.6	73.3
87.5°	32.7	29.9	32.0	31.3	34.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)