

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: P738313

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
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: -

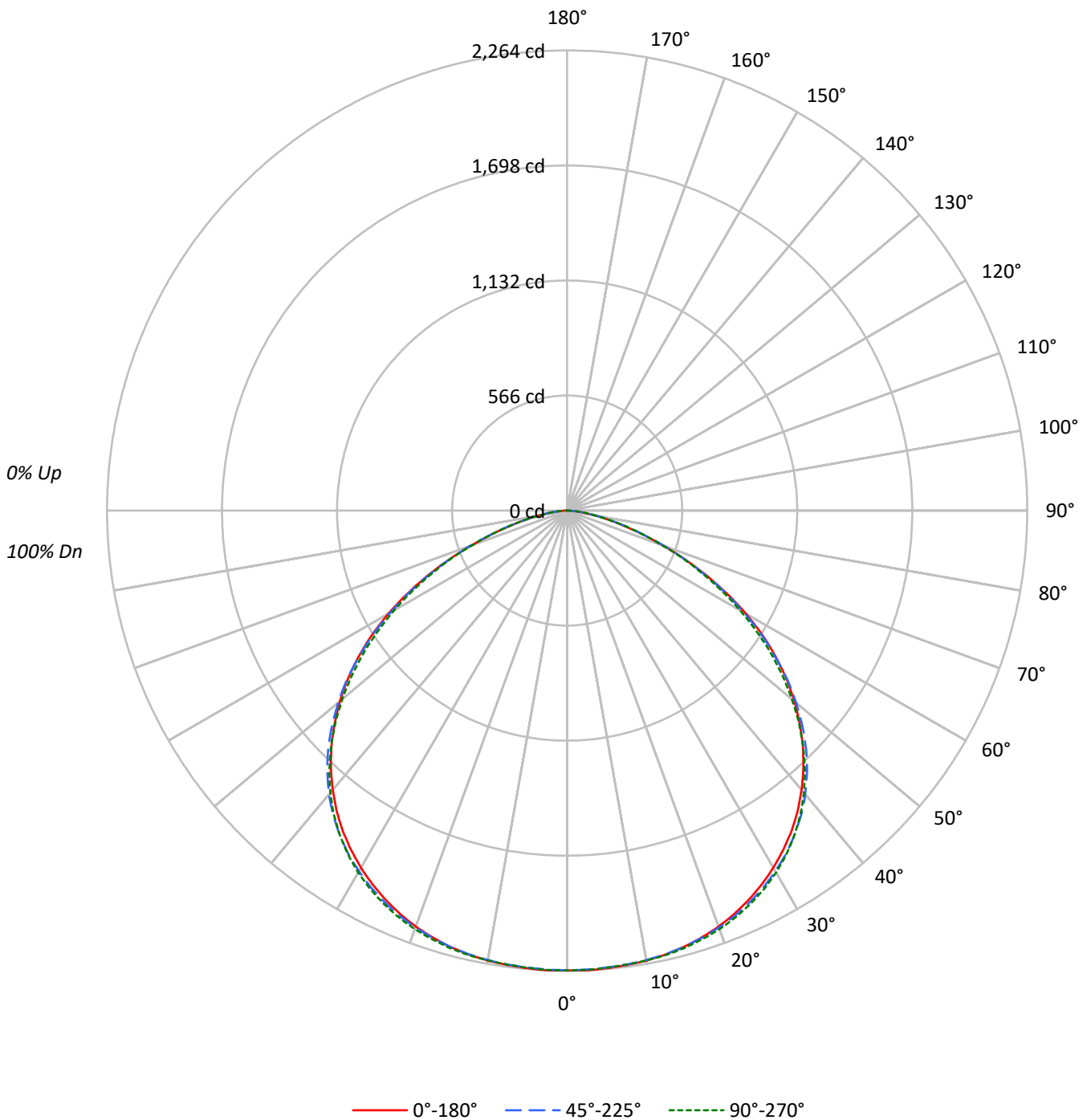
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6539.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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

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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	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					100			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87					85				
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74					72				
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63					61				
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54					52				
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47					45				
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41					39				
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37					35				
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33					31				
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29					28				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27					25				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6628	6628	6628
5°	6646	6637	6639
10°	6690	6680	6687
15°	6741	6740	6759
20°	6792	6807	6835
25°	6833	6872	6903
30°	6866	6931	6956
35°	6883	6972	6975
40°	6862	6973	6933
45°	6794	6891	6808
50°	6656	6704	6581
55°	6397	6369	6249
60°	5956	5889	5765
65°	5252	5201	5101
70°	4301	4322	4232
75°	3258	3368	3341
80°	2361	2455	2416
85°	1546	1604	1711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.1	3.3
10°-20°	628.3	9.6
20°-30°	979.5	15.0
30°-40°	1214.0	18.6
40°-50°	1270.3	19.4
50°-60°	1107.0	16.9
60°-70°	741.5	11.3
70°-80°	321.5	4.9
80°-90°	61.9	0.9
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°	1822.8	27.9
0°-40°	3036.8	46.4
0°-60°	5414.1	82.8
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°	2262	2262	2262	2262	2262	
5°	2260	2257	2256	2256	2257	215
15°	2222	2219	2222	2224	2228	628
25°	2113	2114	2126	2132	2135	974
35°	1924	1931	1949	1952	1950	1203
45°	1640	1648	1663	1649	1643	1263
55°	1252	1252	1247	1233	1223	1115
65°	758	753	750	743	736	749
75°	288	293	298	295	295	317
85°	46	49	48	49	51	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2262.2	2262.2	2262.2	2262.2	2262.2
2.5°	2264.5	2260.5	2259.6	2259.6	2262.2
5°	2259.6	2257.2	2256.4	2255.7	2257.2
7.5°	2254.9	2251.6	2252.5	2250.8	2252.5
10°	2248.4	2245.2	2245.2	2245.2	2247.6
12.5°	2237.0	2234.7	2235.5	2237.0	2240.3
15°	2222.4	2219.2	2221.8	2224.1	2228.2
17.5°	2202.2	2199.8	2203.9	2208.0	2211.2
20°	2178.1	2175.6	2182.9	2188.7	2191.9
22.5°	2148.0	2147.4	2157.1	2163.5	2165.9
25°	2113.4	2114.1	2125.5	2131.9	2135.1
27.5°	2073.7	2075.4	2090.0	2095.6	2098.8
30°	2029.4	2033.3	2048.7	2053.5	2056.0
32.5°	1979.1	1984.9	2003.4	2006.6	2006.6
35°	1924.3	1931.4	1949.2	1951.6	1950.1
37.5°	1862.8	1870.7	1891.0	1887.7	1885.4
40°	1794.0	1802.8	1823.0	1816.6	1812.7
42.5°	1720.5	1729.3	1747.1	1737.5	1731.7
45°	1639.7	1648.5	1663.1	1649.3	1642.9
47.5°	1552.2	1562.7	1570.0	1554.8	1546.6
50°	1460.2	1463.4	1470.7	1452.9	1443.8
52.5°	1359.8	1359.8	1365.6	1346.0	1335.5
55°	1252.3	1251.5	1246.7	1233.0	1223.3
57.5°	1138.4	1133.5	1130.2	1115.6	1104.4
60°	1016.3	1009.0	1004.9	992.9	983.8
62.5°	888.6	884.5	879.6	869.9	860.2
65°	757.5	753.4	750.2	743.1	735.8
67.5°	627.5	624.9	624.9	620.1	619.3
70°	502.1	503.6	504.5	504.5	494.0
72.5°	388.9	389.7	393.8	390.6	389.7
75°	287.8	292.8	297.5	295.1	295.1
77.5°	207.0	214.3	214.3	212.6	210.2
80°	139.9	143.2	145.5	144.7	143.2
82.5°	89.0	91.4	89.0	90.5	91.4
85°	46.0	49.2	47.7	48.6	50.9
87.5°	15.3	17.0	17.8	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)