

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: P738281

Luminaire Tested: **22PT-60-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PC3-L840
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

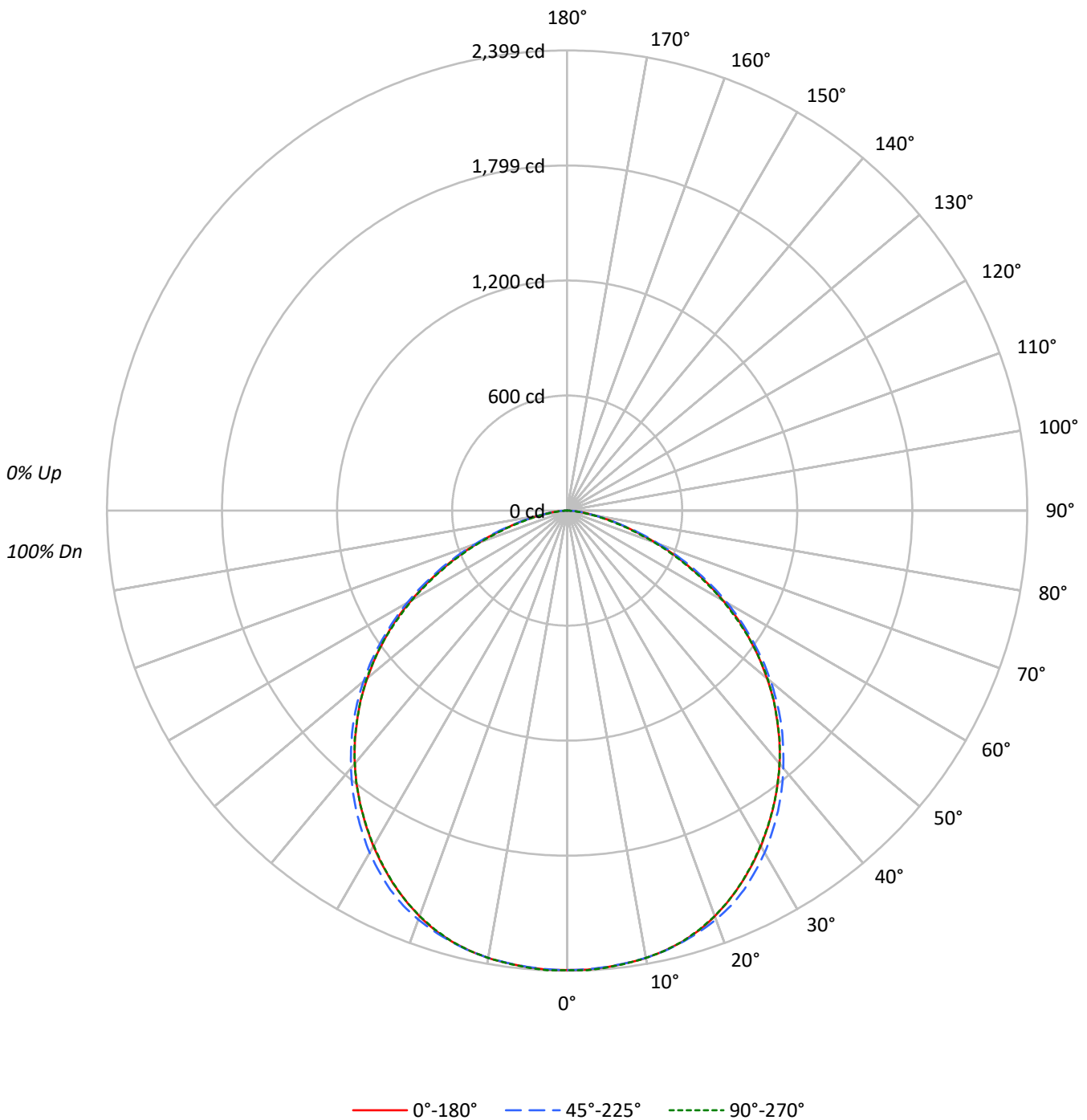
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6436.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	97	107	103	99	96	99	96	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	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7020	7020	7020
5°	7029	7024	7033
10°	7046	7044	7046
15°	7055	7064	7052
20°	7019	7076	7014
25°	6937	7051	6932
30°	6835	6969	6824
35°	6716	6850	6716
40°	6590	6707	6590
45°	6416	6543	6426
50°	6197	6319	6221
55°	5909	6025	5909
60°	5510	5649	5475
65°	4945	5119	4882
70°	4230	4380	4105
75°	3357	3451	3182
80°	2406	2496	2290
85°	1587	1637	1486



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	3.5
10°-20°	656.6	10.2
20°-30°	996.1	15.5
30°-40°	1189.6	18.5
40°-50°	1209.8	18.8
50°-60°	1046.5	16.3
60°-70°	720.1	11.2
70°-80°	326.8	5.1
80°-90°	63.3	1.0
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°	1880.0	29.2
0°-40°	3069.6	47.7
0°-60°	5325.9	82.8
0°-90°	6436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6436.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2396	2396	2396	2396	2396	
5°	2390	2387	2388	2388	2391	227
15°	2326	2327	2329	2325	2325	656
25°	2146	2165	2181	2161	2144	988
35°	1878	1911	1915	1908	1878	1174
45°	1548	1577	1579	1577	1551	1194
55°	1157	1176	1180	1177	1157	1034
65°	713	733	738	732	704	708
75°	296	308	305	302	281	319
85°	47	50	49	47	44	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2395.7	2395.7	2395.7	2395.7	2395.7
2.5°	2395.7	2392.7	2393.3	2394.2	2398.7
5°	2389.7	2387.4	2388.0	2388.0	2391.2
7.5°	2379.7	2379.0	2379.0	2378.2	2380.5
10°	2368.3	2366.8	2367.5	2366.8	2368.3
12.5°	2350.8	2350.8	2351.4	2349.3	2350.8
15°	2325.6	2327.1	2328.6	2324.9	2324.9
17.5°	2293.5	2297.4	2301.2	2294.4	2290.5
20°	2251.0	2260.2	2269.2	2258.5	2249.5
22.5°	2201.4	2216.6	2230.5	2213.6	2201.4
25°	2145.8	2164.8	2180.9	2161.0	2144.3
27.5°	2085.5	2106.9	2122.1	2105.4	2082.6
30°	2020.1	2046.0	2059.7	2043.7	2016.9
32.5°	1950.0	1980.4	1988.7	1978.9	1948.3
35°	1877.6	1911.1	1915.0	1908.1	1877.6
37.5°	1802.1	1834.2	1837.2	1833.3	1802.1
40°	1722.8	1752.5	1753.4	1753.4	1722.8
42.5°	1638.4	1667.2	1667.2	1666.4	1640.5
45°	1548.4	1576.6	1579.0	1577.3	1550.7
47.5°	1459.3	1480.6	1484.3	1481.3	1457.8
50°	1359.4	1381.5	1386.2	1383.0	1364.8
52.5°	1260.3	1281.0	1285.5	1283.1	1262.6
55°	1156.8	1176.5	1179.5	1177.3	1156.8
57.5°	1057.0	1069.8	1072.8	1068.3	1042.5
60°	940.3	958.7	964.0	958.7	934.3
62.5°	827.6	847.3	852.0	844.3	818.4
65°	713.3	732.9	738.3	732.3	704.1
67.5°	605.1	619.4	624.1	617.3	591.2
70°	493.8	512.1	511.3	502.1	479.2
72.5°	384.1	409.1	404.6	399.3	374.1
75°	296.5	307.8	304.8	301.8	281.1
77.5°	211.8	225.5	218.0	218.7	201.1
80°	142.6	155.4	147.9	144.7	135.7
82.5°	90.6	96.0	94.5	93.0	84.6
85°	47.2	50.2	48.7	47.2	44.2
87.5°	18.4	19.9	18.4	18.4	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)