

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: P738598

Luminaire Tested: **24PT-60-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PC3-L950
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

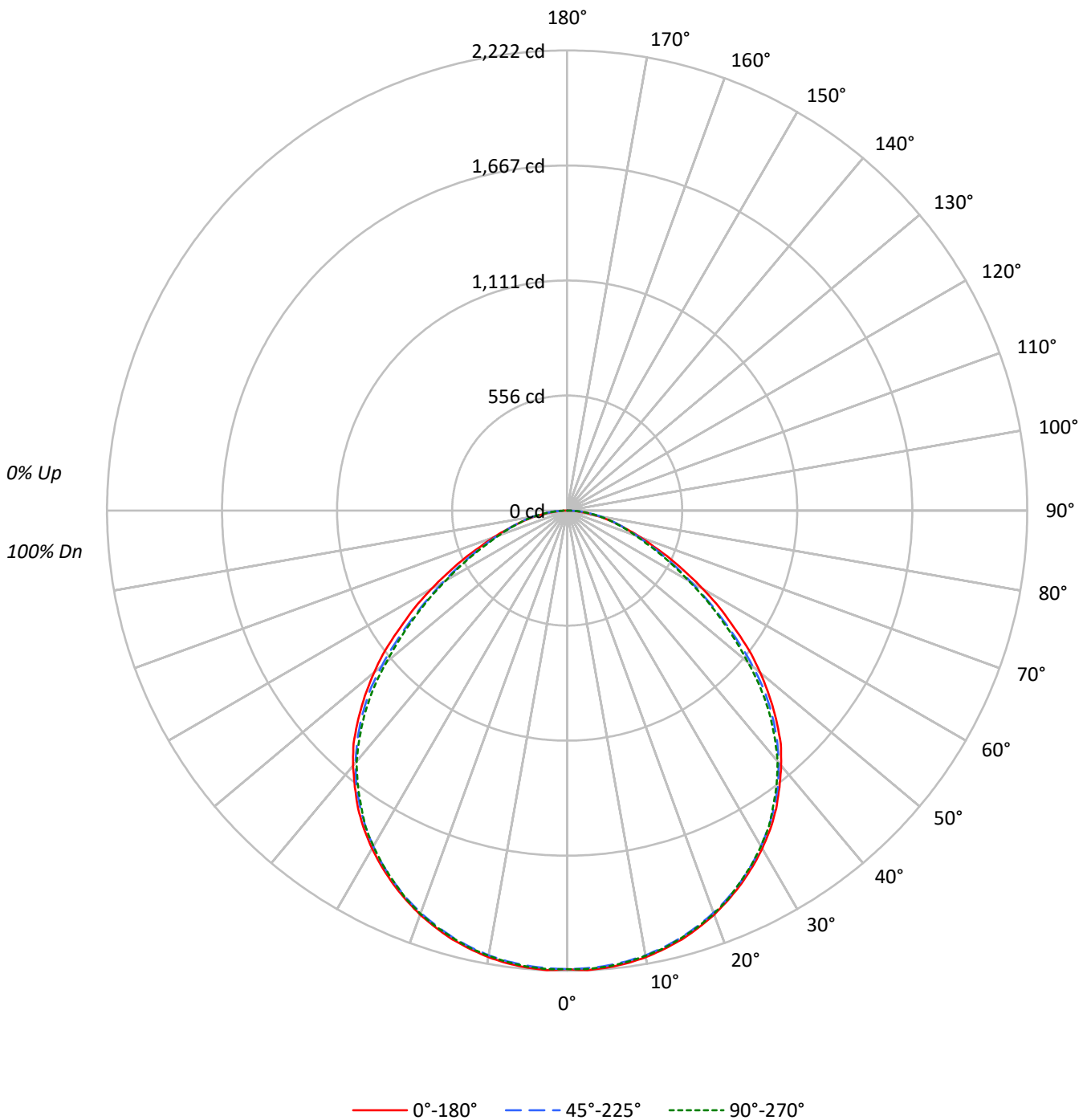
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5585.0 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3175	3175	3175
5°	3189	3175	3182
10°	3189	3174	3179
15°	3182	3167	3171
20°	3169	3154	3160
25°	3147	3131	3130
30°	3120	3100	3099
35°	3078	3054	3040
40°	3009	2973	2960
45°	2893	2839	2799
50°	2716	2612	2543
55°	2456	2289	2246
60°	2172	1981	1942
65°	1857	1716	1673
70°	1573	1506	1462
75°	1379	1403	1355
80°	1236	1364	1287
85°	1045	1247	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	3.8
10°-20°	602.6	10.8
20°-30°	912.8	16.3
30°-40°	1090.3	19.5
40°-50°	1075.5	19.3
50°-60°	832.6	14.9
60°-70°	511.8	9.2
70°-80°	268.2	4.8
80°-90°	81.3	1.5
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°	1725.4	30.9
0°-40°	2815.6	50.4
0°-60°	4723.8	84.6
0°-90°	5585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2214	2214	2214	2214	2214	
5°	2215	2209	2206	2205	2210	211
15°	2143	2136	2133	2132	2136	605
25°	1989	1983	1979	1978	1979	916
35°	1759	1751	1745	1739	1736	1098
45°	1427	1416	1400	1385	1380	1097
55°	982	956	916	902	898	882
65°	547	522	506	491	493	546
75°	249	251	253	248	245	268
85°	64	71	76	74	72	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2214.1	2214.1	2214.1	2214.1	2214.1
2.5°	2221.5	2214.7	2211.7	2211.0	2216.0
5°	2215.4	2208.6	2206.1	2204.9	2210.4
7.5°	2205.5	2198.1	2195.6	2193.8	2198.7
10°	2190.1	2182.7	2180.2	2179.0	2183.3
12.5°	2167.9	2161.1	2159.3	2157.4	2163.0
15°	2143.3	2136.5	2133.4	2131.5	2135.9
17.5°	2111.2	2105.7	2102.0	2102.0	2105.7
20°	2076.7	2069.9	2066.8	2065.0	2071.2
22.5°	2034.2	2029.9	2026.2	2023.1	2029.9
25°	1989.2	1983.0	1979.3	1978.1	1978.7
27.5°	1938.1	1933.7	1928.8	1927.0	1928.2
30°	1884.4	1878.9	1872.1	1868.4	1871.5
32.5°	1824.7	1816.7	1811.1	1807.4	1811.7
35°	1758.7	1750.7	1744.6	1739.0	1736.5
37.5°	1683.5	1681.1	1672.5	1662.6	1662.0
40°	1607.8	1601.0	1588.6	1584.3	1581.3
42.5°	1526.4	1512.2	1499.3	1487.0	1482.7
45°	1426.6	1416.1	1400.1	1385.3	1380.4
47.5°	1324.3	1310.7	1295.3	1269.4	1266.4
50°	1217.7	1198.0	1170.8	1149.3	1140.0
52.5°	1106.8	1080.3	1042.7	1024.2	1019.2
55°	982.3	955.8	915.7	902.2	898.5
57.5°	871.4	832.5	799.9	784.5	789.4
60°	757.4	719.8	690.8	676.0	677.2
62.5°	645.8	616.2	594.7	580.5	582.3
65°	547.2	521.9	505.9	491.1	493.0
67.5°	450.5	438.8	427.0	418.4	413.5
70°	375.3	370.4	359.3	351.3	348.8
72.5°	306.9	310.0	300.7	298.3	297.6
75°	249.0	251.4	253.3	248.3	244.6
77.5°	199.0	202.7	210.1	203.4	202.1
80°	149.7	157.1	165.2	160.8	155.9
82.5°	104.8	114.0	121.4	115.9	113.4
85°	63.5	70.9	75.8	73.9	72.1
87.5°	28.3	30.8	33.3	33.9	32.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)