

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: P738297

Luminaire Tested: **22PT-60-PP3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PP3-L840
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

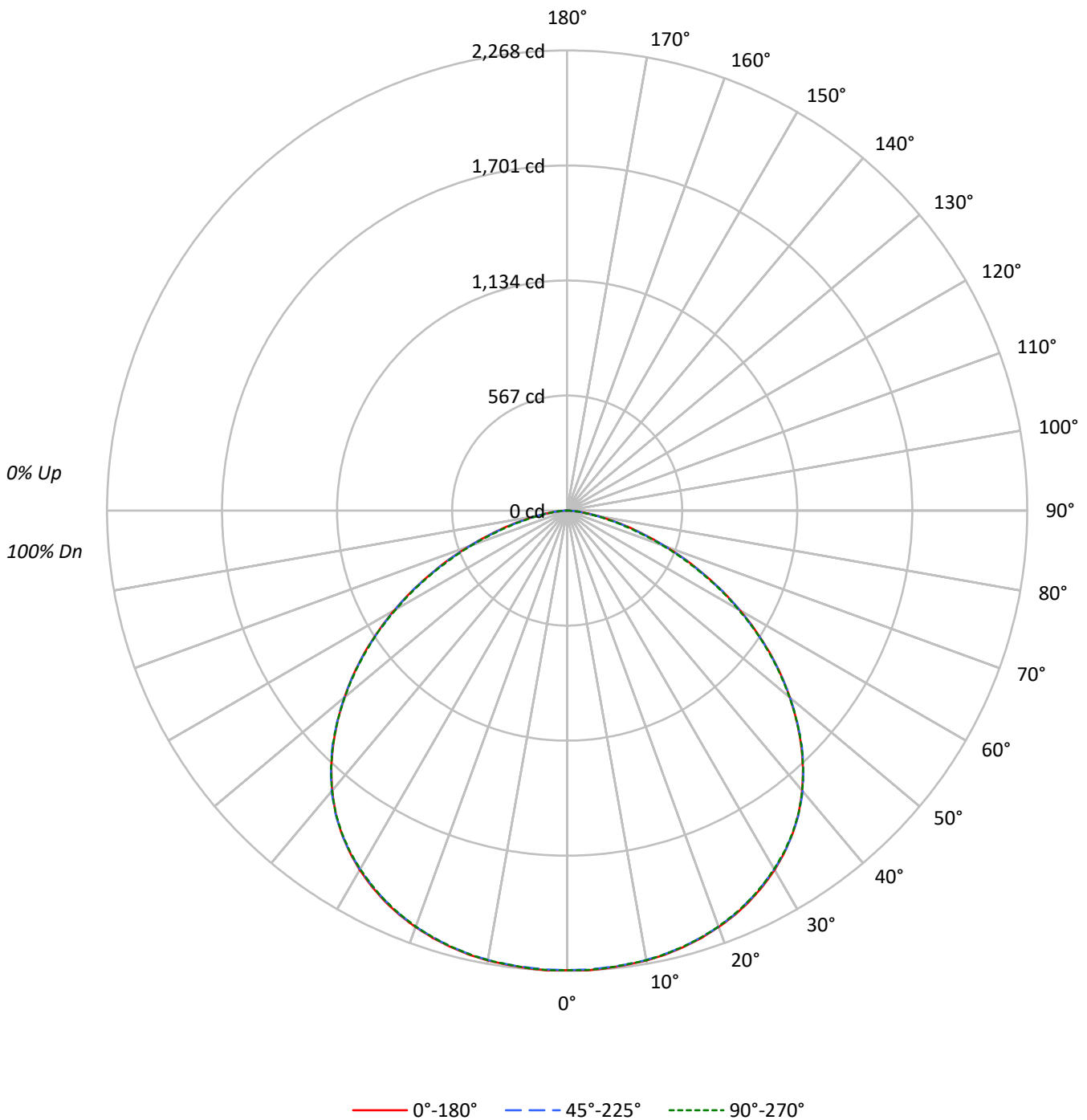
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6499.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	6637	6637	6637
5°	6658	6649	6654
10°	6699	6690	6695
15°	6752	6745	6745
20°	6811	6804	6802
25°	6871	6859	6859
30°	6920	6906	6904
35°	6939	6939	6931
40°	6894	6908	6894
45°	6757	6776	6766
50°	6530	6540	6523
55°	6216	6201	6189
60°	5771	5758	5713
65°	5154	5150	5091
70°	4407	4379	4283
75°	3511	3408	3305
80°	2502	2452	2323
85°	1627	1627	1577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.4	3.3
10°-20°	628.4	9.7
20°-30°	978.4	15.1
30°-40°	1211.0	18.6
40°-50°	1255.7	19.3
50°-60°	1082.3	16.7
60°-70°	735.8	11.3
70°-80°	329.3	5.1
80°-90°	62.7	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°	1822.2	28.0
0°-40°	3033.2	46.7
0°-60°	5371.2	82.6
0°-90°	6499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2265	2265	2265	2265	2265	
5°	2264	2259	2261	2260	2262	216
15°	2226	2222	2224	2222	2224	629
25°	2125	2122	2122	2121	2122	980
35°	1940	1938	1940	1937	1938	1212
45°	1631	1629	1635	1631	1633	1255
55°	1217	1212	1214	1212	1212	1085
65°	743	750	743	740	734	738
75°	310	311	301	300	292	334
85°	48	50	48	47	47	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2265.1	2265.1	2265.1	2265.1	2265.1
2.5°	2268.3	2263.6	2263.6	2264.5	2266.8
5°	2263.6	2259.2	2260.7	2259.8	2262.2
7.5°	2257.7	2253.9	2256.2	2254.5	2256.2
10°	2251.5	2247.7	2248.6	2247.7	2250.1
12.5°	2240.9	2236.5	2238.0	2238.0	2238.8
15°	2225.9	2222.1	2223.6	2222.1	2223.6
17.5°	2207.6	2203.2	2204.0	2203.2	2204.7
20°	2184.3	2181.3	2182.0	2180.5	2181.3
22.5°	2157.8	2154.0	2154.8	2153.3	2153.3
25°	2125.3	2122.2	2121.5	2120.7	2121.5
27.5°	2087.4	2083.8	2083.8	2082.9	2082.9
30°	2045.2	2041.3	2041.3	2040.5	2040.5
32.5°	1995.1	1993.6	1994.5	1993.0	1992.1
35°	1940.0	1937.6	1940.0	1937.0	1937.6
37.5°	1875.7	1872.7	1877.2	1874.2	1874.8
40°	1802.3	1800.8	1806.1	1803.8	1802.3
42.5°	1720.6	1720.6	1723.0	1723.6	1722.1
45°	1630.7	1629.2	1635.2	1631.3	1632.8
47.5°	1533.8	1531.6	1536.1	1535.3	1534.6
50°	1432.6	1430.9	1434.7	1430.9	1430.9
52.5°	1327.4	1326.5	1327.4	1323.6	1322.7
55°	1216.9	1212.4	1213.9	1211.6	1211.6
57.5°	1101.9	1096.6	1097.5	1096.6	1097.5
60°	984.8	983.1	982.5	978.7	974.9
62.5°	864.6	866.0	865.2	859.9	856.1
65°	743.4	749.6	742.8	740.5	734.3
67.5°	629.3	631.5	627.0	621.7	614.9
70°	514.4	518.8	511.2	505.9	499.9
72.5°	404.7	407.7	400.9	397.9	390.3
75°	310.1	311.0	301.0	299.5	291.9
77.5°	220.8	223.8	216.4	216.4	208.7
80°	148.3	153.6	145.3	143.0	137.7
82.5°	93.1	93.8	91.4	89.3	87.0
85°	48.4	49.8	48.4	46.9	46.9
87.5°	18.2	18.9	18.2	17.4	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)