

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: P738256

Luminaire Tested: **22PT-50-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PR1-L835
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

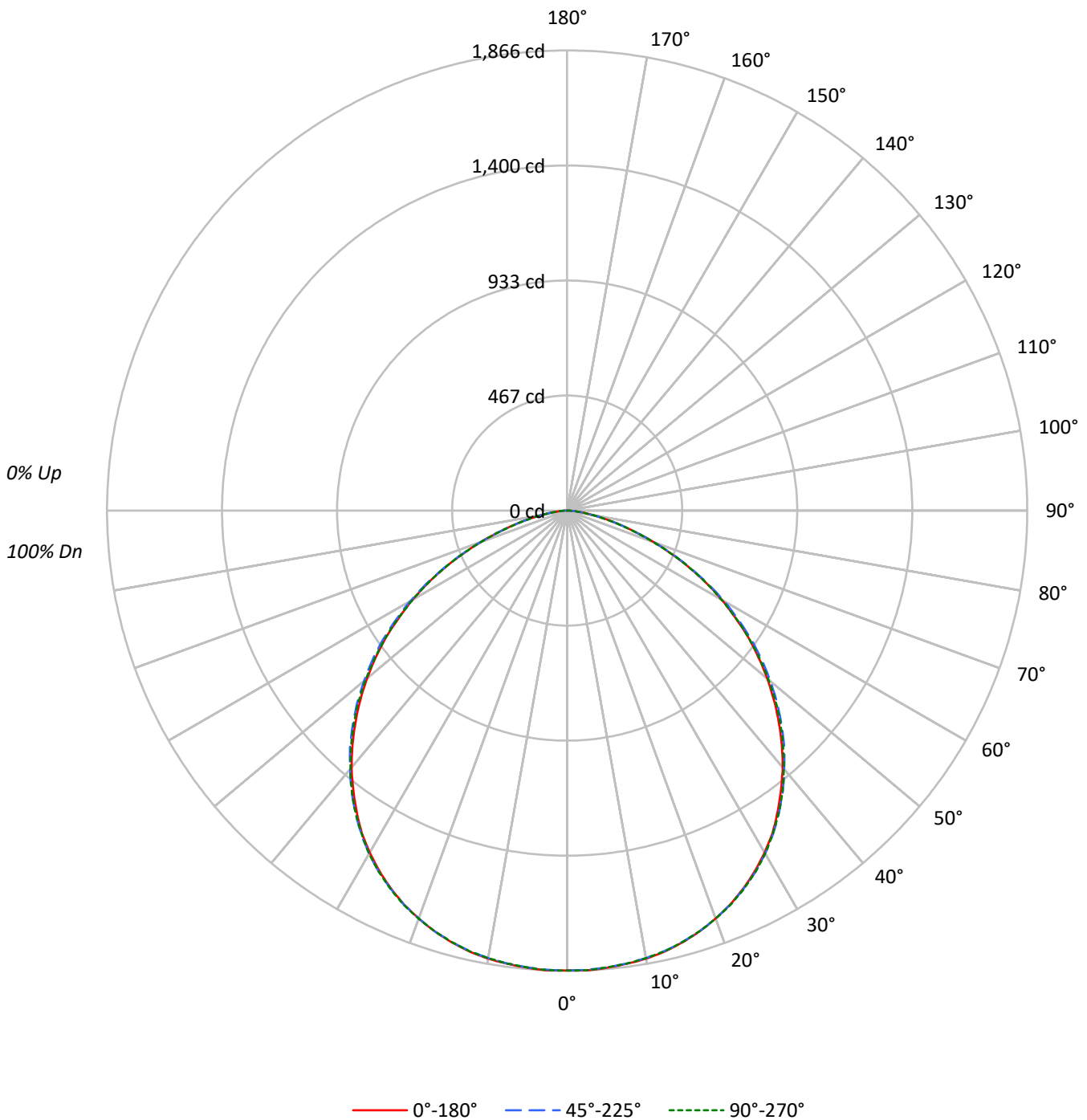
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4984.1 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
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: P738256
CATALOG NUMBER: 22PT-50-PR1-L835

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	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	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	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	5465	5465	5465
5°	5473	5470	5470
10°	5490	5483	5483
15°	5497	5492	5493
20°	5489	5488	5492
25°	5466	5472	5476
30°	5417	5433	5436
35°	5325	5355	5352
40°	5201	5237	5230
45°	5030	5095	5069
50°	4826	4900	4860
55°	4581	4654	4588
60°	4247	4305	4232
65°	3789	3828	3784
70°	3188	3188	3166
75°	2499	2499	2470
80°	1829	1809	1799
85°	1193	1193	1217



TEST NUMBER: P738256

CATALOG NUMBER: 22PT-50-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	3.6
10°-20°	511.1	10.3
20°-30°	779.7	15.6
30°-40°	934.4	18.7
40°-50°	943.7	18.9
50°-60°	807.4	16.2
60°-70°	544.5	10.9
70°-80°	240.2	4.8
80°-90°	46.1	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°	1467.7	29.4
0°-40°	2402.2	48.2
0°-60°	4153.3	83.3
0°-90°	4984.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4984.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1865	1865	1865	1865	1865	
5°	1861	1858	1860	1858	1860	177
15°	1812	1812	1810	1810	1811	511
25°	1691	1692	1692	1692	1694	779
35°	1489	1498	1497	1496	1496	930
45°	1214	1223	1230	1228	1223	936
55°	897	905	911	910	898	799
65°	546	551	552	551	546	540
75°	221	221	221	221	218	240
85°	36	36	36	36	36	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1865.2	1865.2	1865.2	1865.2	1865.2
2.5°	1866.4	1864.0	1863.3	1862.7	1865.2
5°	1860.8	1858.3	1859.6	1858.3	1859.6
7.5°	1853.9	1851.5	1852.2	1850.8	1852.2
10°	1845.3	1842.7	1842.7	1841.5	1842.7
12.5°	1831.5	1829.7	1829.0	1827.8	1829.7
15°	1812.1	1811.6	1810.4	1809.7	1810.9
17.5°	1788.6	1787.4	1788.6	1786.7	1787.9
20°	1760.5	1761.2	1760.0	1760.5	1761.2
22.5°	1728.7	1728.7	1729.4	1729.4	1730.6
25°	1690.7	1692.5	1692.5	1692.5	1693.9
27.5°	1648.4	1650.9	1652.6	1651.4	1652.6
30°	1601.0	1605.4	1605.9	1605.4	1606.6
32.5°	1549.8	1553.0	1554.8	1553.5	1552.3
35°	1488.7	1497.5	1497.0	1495.6	1496.3
37.5°	1424.6	1433.4	1436.4	1433.9	1434.6
40°	1359.8	1367.3	1369.1	1369.8	1367.3
42.5°	1288.1	1296.9	1303.7	1300.6	1296.9
45°	1213.9	1223.3	1229.6	1227.6	1223.3
47.5°	1137.3	1146.0	1154.7	1151.6	1147.4
50°	1058.8	1067.4	1075.0	1073.8	1066.2
52.5°	978.4	988.4	995.2	992.8	982.7
55°	896.8	904.9	911.1	909.8	898.1
57.5°	808.3	818.8	822.0	820.1	811.5
60°	724.7	731.7	734.7	732.2	722.2
62.5°	635.6	641.2	643.7	643.2	636.3
65°	546.5	550.9	552.2	550.9	545.8
67.5°	455.0	461.2	461.9	461.9	456.8
70°	372.1	373.8	372.1	377.0	369.6
72.5°	291.6	292.9	291.6	291.6	288.5
75°	220.7	221.2	220.7	221.2	218.2
77.5°	159.5	160.7	158.3	160.2	157.1
80°	108.4	108.4	107.2	107.9	106.6
82.5°	67.3	68.5	66.8	66.8	66.1
85°	35.5	35.5	35.5	36.2	36.2
87.5°	12.5	12.5	13.0	13.0	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)