

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: P738264

Luminaire Tested: **22PT-50-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738264
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-50-PW1-L835
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

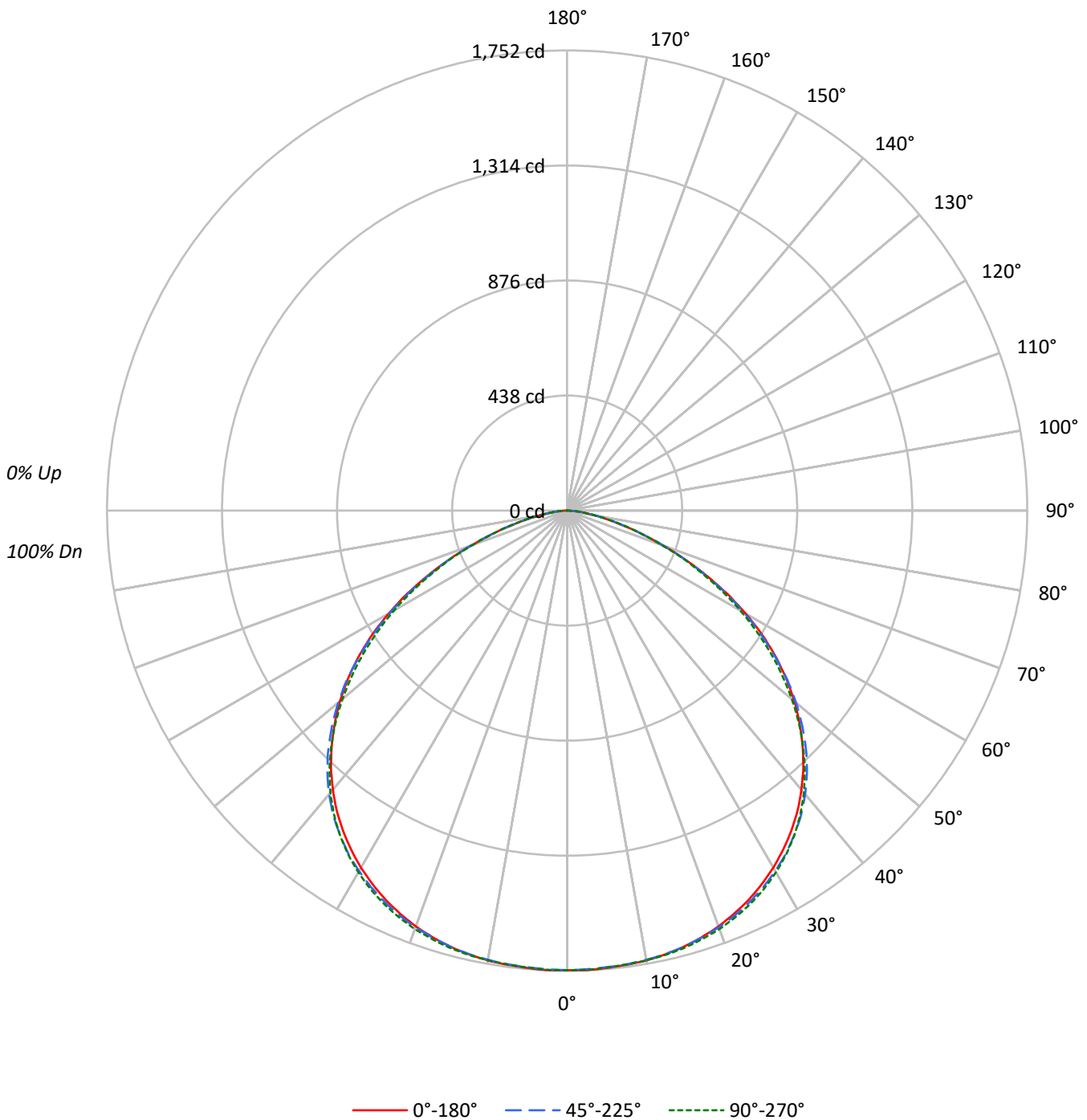
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5058.0 lumens
Efficiency: N/A
Efficacy: 128.7 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): 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

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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	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	84	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°	5127	5127	5127
5°	5141	5133	5135
10°	5175	5167	5172
15°	5215	5213	5228
20°	5253	5265	5287
25°	5285	5315	5340
30°	5311	5362	5381
35°	5324	5393	5395
40°	5308	5394	5363
45°	5256	5331	5266
50°	5149	5186	5091
55°	4949	4927	4834
60°	4607	4555	4460
65°	4062	4023	3946
70°	3327	3343	3273
75°	2520	2605	2585
80°	1826	1900	1868
85°	1197	1241	1325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.4	3.3
10°-20°	486.0	9.6
20°-30°	757.6	15.0
30°-40°	939.0	18.6
40°-50°	982.6	19.4
50°-60°	856.2	16.9
60°-70°	573.6	11.3
70°-80°	248.6	4.9
80°-90°	47.9	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°	1410.0	27.9
0°-40°	2349.0	46.4
0°-60°	4187.9	82.8
0°-90°	5058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1750	1750	1750	1750	1750	
5°	1748	1746	1745	1745	1746	167
15°	1719	1717	1719	1720	1724	486
25°	1635	1635	1644	1649	1652	754
35°	1488	1494	1508	1510	1508	930
45°	1268	1275	1286	1276	1271	977
55°	969	968	964	954	946	863
65°	586	583	580	575	569	580
75°	223	226	230	228	228	245
85°	36	38	37	38	39	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1749.8	1749.8	1749.8	1749.8	1749.8
2.5°	1751.7	1748.5	1747.8	1747.8	1749.8
5°	1747.8	1746.0	1745.3	1744.8	1746.0
7.5°	1744.2	1741.7	1742.3	1741.0	1742.3
10°	1739.2	1736.7	1736.7	1736.7	1738.5
12.5°	1730.4	1728.5	1729.2	1730.4	1732.9
15°	1719.1	1716.6	1718.6	1720.4	1723.6
17.5°	1703.4	1701.6	1704.8	1707.9	1710.4
20°	1684.8	1682.8	1688.5	1693.0	1695.5
22.5°	1661.5	1661.0	1668.5	1673.5	1675.3
25°	1634.8	1635.3	1644.1	1649.1	1651.6
27.5°	1604.0	1605.3	1616.6	1621.0	1623.5
30°	1569.8	1572.7	1584.7	1588.4	1590.4
32.5°	1530.8	1535.3	1549.6	1552.1	1552.1
35°	1488.4	1493.9	1507.7	1509.6	1508.4
37.5°	1440.9	1447.0	1462.7	1460.2	1458.4
40°	1387.7	1394.5	1410.1	1405.1	1402.2
42.5°	1330.8	1337.6	1351.4	1344.0	1339.5
45°	1268.3	1275.1	1286.4	1275.8	1270.8
47.5°	1200.6	1208.8	1214.4	1202.6	1196.3
50°	1129.5	1132.0	1137.6	1123.8	1116.8
52.5°	1051.8	1051.8	1056.3	1041.2	1033.0
55°	968.7	968.0	964.4	953.7	946.2
57.5°	880.6	876.7	874.2	862.9	854.3
60°	786.1	780.5	777.3	768.0	761.0
62.5°	687.4	684.2	680.4	672.9	665.4
65°	585.9	582.8	580.3	574.8	569.1
67.5°	485.3	483.3	483.3	479.7	479.0
70°	388.4	389.6	390.2	390.2	382.1
72.5°	300.8	301.4	304.6	302.1	301.4
75°	222.6	226.5	230.1	228.3	228.3
77.5°	160.1	165.8	165.8	164.4	162.6
80°	108.2	110.7	112.6	111.9	110.7
82.5°	68.8	70.7	68.8	70.0	70.7
85°	35.6	38.1	36.9	37.6	39.4
87.5°	11.8	13.1	13.8	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)