

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: P738186

Luminaire Tested: **22PT-45-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738186
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-45-PC3-L850
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

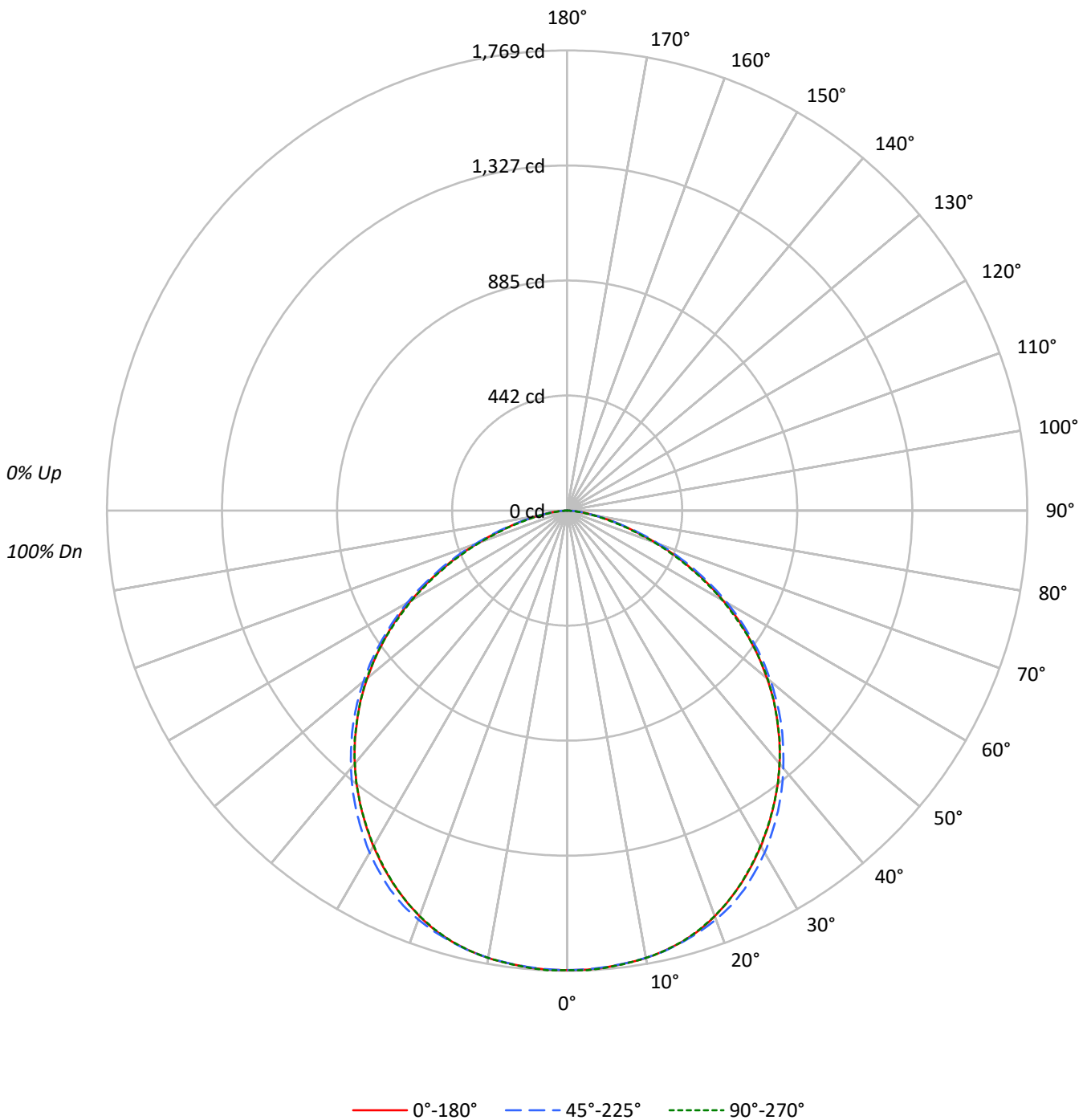
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4746.0 lumens
Efficiency: N/A
Efficacy: 134.4 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): 35.3
Input Voltage (V): NR
Input Current (Ain): 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°	5176	5176	5176
5°	5183	5179	5186
10°	5196	5194	5196
15°	5202	5209	5201
20°	5176	5218	5172
25°	5116	5199	5112
30°	5040	5139	5032
35°	4952	5051	4952
40°	4859	4946	4859
45°	4731	4825	4738
50°	4570	4660	4588
55°	4357	4443	4357
60°	4063	4166	4038
65°	3647	3774	3600
70°	3119	3230	3028
75°	2475	2545	2347
80°	1773	1841	1689
85°	1170	1207	1096



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	3.5
10°-20°	484.2	10.2
20°-30°	734.5	15.5
30°-40°	877.2	18.5
40°-50°	892.1	18.8
50°-60°	771.7	16.3
60°-70°	531.0	11.2
70°-80°	241.0	5.1
80°-90°	46.7	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°	1386.3	29.2
0°-40°	2263.5	47.7
0°-60°	3927.3	82.8
0°-90°	4746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1767	1767	1767	1767	1767	
5°	1762	1760	1761	1761	1763	168
15°	1715	1716	1717	1714	1714	484
25°	1582	1596	1608	1594	1581	729
35°	1384	1409	1412	1407	1384	866
45°	1142	1163	1164	1163	1144	881
55°	853	868	870	868	853	762
65°	526	540	544	540	519	522
75°	219	227	225	223	207	235
85°	35	37	36	35	33	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1766.6	1766.6	1766.6	1766.6	1766.6
2.5°	1766.6	1764.4	1764.9	1765.5	1768.8
5°	1762.2	1760.5	1760.9	1760.9	1763.3
7.5°	1754.8	1754.3	1754.3	1753.7	1755.4
10°	1746.4	1745.3	1745.8	1745.3	1746.4
12.5°	1733.5	1733.5	1734.0	1732.4	1733.5
15°	1714.9	1716.0	1717.1	1714.4	1714.4
17.5°	1691.3	1694.1	1697.0	1691.9	1689.1
20°	1659.9	1666.7	1673.3	1665.4	1658.8
22.5°	1623.3	1634.5	1644.8	1632.3	1623.3
25°	1582.4	1596.4	1608.2	1593.6	1581.3
27.5°	1537.9	1553.7	1564.9	1552.6	1535.7
30°	1489.7	1508.8	1518.8	1507.0	1487.3
32.5°	1438.0	1460.4	1466.5	1459.3	1436.7
35°	1384.5	1409.3	1412.1	1407.1	1384.5
37.5°	1328.9	1352.5	1354.8	1351.9	1328.9
40°	1270.4	1292.3	1293.0	1293.0	1270.4
42.5°	1208.2	1229.4	1229.4	1228.8	1209.7
45°	1141.8	1162.6	1164.3	1163.1	1143.5
47.5°	1076.1	1091.8	1094.5	1092.3	1075.0
50°	1002.5	1018.7	1022.2	1019.8	1006.4
52.5°	929.3	944.6	947.9	946.2	931.1
55°	853.0	867.5	869.8	868.2	853.0
57.5°	779.4	788.9	791.1	787.8	768.7
60°	693.4	706.9	710.9	706.9	689.0
62.5°	610.3	624.8	628.3	622.6	603.5
65°	526.0	540.5	544.4	540.0	519.2
67.5°	446.2	456.8	460.3	455.2	436.0
70°	364.1	377.7	377.0	370.3	353.4
72.5°	283.2	301.7	298.4	294.4	275.8
75°	218.6	227.0	224.8	222.6	207.3
77.5°	156.2	166.3	160.8	161.2	148.3
80°	105.1	114.6	109.1	106.7	100.1
82.5°	66.8	70.8	69.7	68.6	62.4
85°	34.8	37.0	35.9	34.8	32.6
87.5°	13.6	14.7	13.6	13.6	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)