

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: P738184

Luminaire Tested: **22PT-45-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738184
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-L835
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

Summary

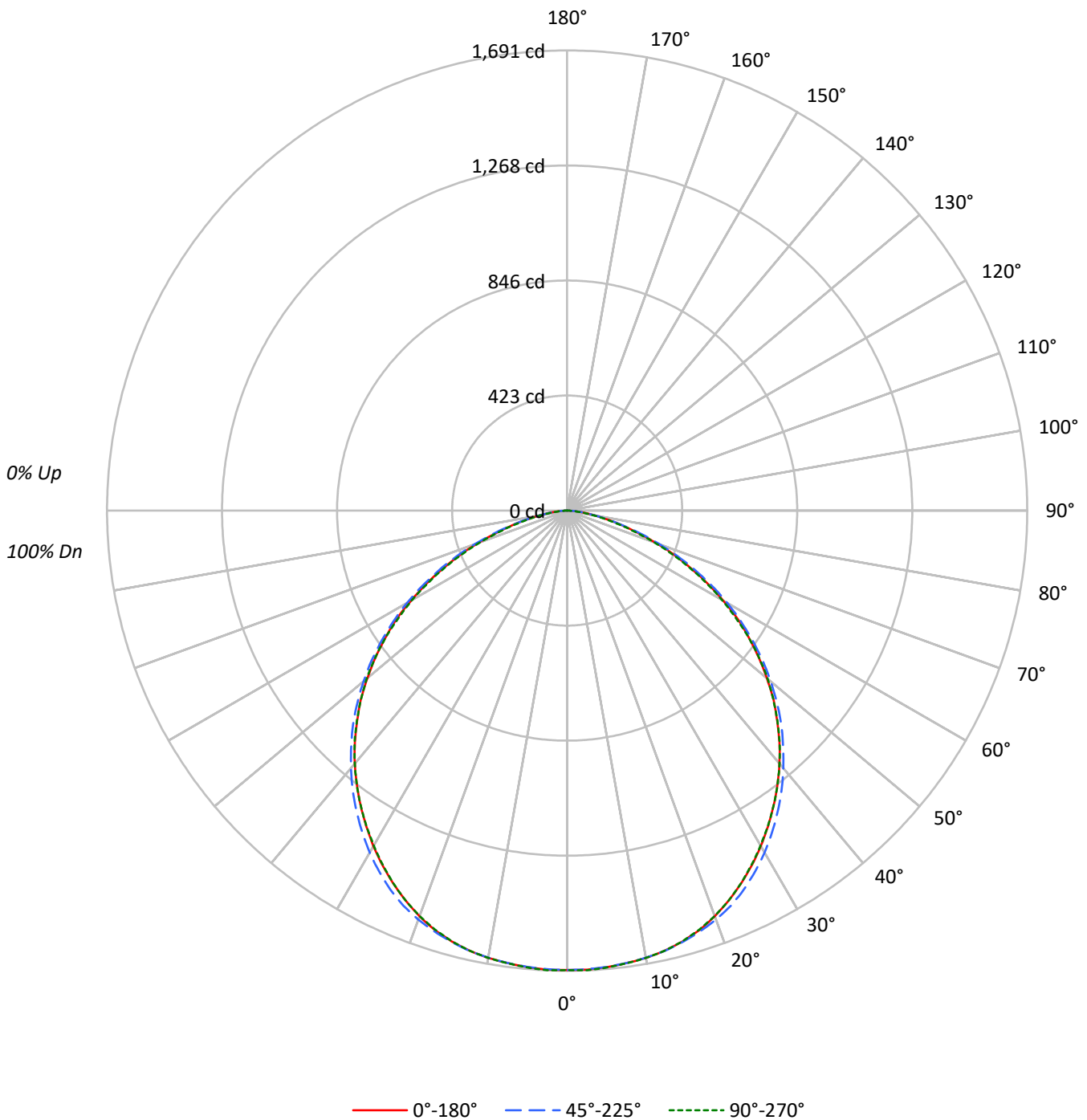
Lumens per Lamp: N/A
Luminaire Lumens: 4536.0 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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°	4947	4947	4947
5°	4954	4950	4957
10°	4966	4965	4966
15°	4972	4978	4971
20°	4947	4987	4943
25°	4889	4969	4886
30°	4817	4911	4809
35°	4733	4827	4733
40°	4644	4727	4644
45°	4522	4611	4529
50°	4367	4453	4385
55°	4165	4247	4165
60°	3884	3981	3859
65°	3485	3607	3440
70°	2981	3087	2894
75°	2365	2432	2243
80°	1696	1758	1615
85°	1120	1153	1049



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	3.5
10°-20°	462.7	10.2
20°-30°	702.0	15.5
30°-40°	838.4	18.5
40°-50°	852.6	18.8
50°-60°	737.5	16.3
60°-70°	507.5	11.2
70°-80°	230.3	5.1
80°-90°	44.6	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°	1325.0	29.2
0°-40°	2163.4	47.7
0°-60°	3753.6	82.8
0°-90°	4536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1688	1688	1688	1688	1688	
5°	1684	1683	1683	1683	1685	160
15°	1639	1640	1641	1639	1639	462
25°	1512	1526	1537	1523	1511	697
35°	1323	1347	1350	1345	1323	828
45°	1091	1111	1113	1112	1093	842
55°	815	829	831	830	815	728
65°	503	517	520	516	496	499
75°	209	217	215	213	198	225
85°	33	35	34	33	31	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1688.5	1688.5	1688.5	1688.5	1688.5
2.5°	1688.5	1686.3	1686.8	1687.4	1690.6
5°	1684.2	1682.6	1683.0	1683.0	1685.3
7.5°	1677.2	1676.7	1676.7	1676.1	1677.8
10°	1669.2	1668.1	1668.6	1668.1	1669.2
12.5°	1656.8	1656.8	1657.3	1655.8	1656.8
15°	1639.0	1640.1	1641.1	1638.6	1638.6
17.5°	1616.4	1619.2	1621.9	1617.0	1614.3
20°	1586.5	1592.9	1599.3	1591.7	1585.4
22.5°	1551.5	1562.2	1572.0	1560.1	1551.5
25°	1512.3	1525.8	1537.1	1523.0	1511.3
27.5°	1469.9	1484.9	1495.6	1483.9	1467.8
30°	1423.8	1442.0	1451.6	1440.3	1421.5
32.5°	1374.4	1395.7	1401.6	1394.7	1373.1
35°	1323.3	1346.9	1349.6	1344.8	1323.3
37.5°	1270.1	1292.7	1294.8	1292.1	1270.1
40°	1214.2	1235.2	1235.8	1235.8	1214.2
42.5°	1154.7	1175.0	1175.0	1174.4	1156.2
45°	1091.3	1111.2	1112.8	1111.6	1092.9
47.5°	1028.5	1043.5	1046.1	1044.0	1027.4
50°	958.1	973.6	976.9	974.7	961.9
52.5°	888.2	902.8	906.0	904.3	889.9
55°	815.3	829.2	831.3	829.8	815.3
57.5°	744.9	754.0	756.1	752.9	734.7
60°	662.7	675.7	679.4	675.7	658.5
62.5°	583.3	597.2	600.5	595.1	576.8
65°	502.7	516.6	520.3	516.1	496.2
67.5°	426.5	436.6	439.9	435.1	416.7
70°	348.0	361.0	360.3	353.9	337.8
72.5°	270.7	288.3	285.2	281.4	263.6
75°	208.9	216.9	214.8	212.7	198.1
77.5°	149.3	158.9	153.7	154.1	141.8
80°	100.5	109.5	104.2	102.0	95.7
82.5°	63.9	67.6	66.6	65.5	59.7
85°	33.3	35.4	34.3	33.3	31.2
87.5°	13.0	14.0	13.0	13.0	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)