

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: P738202

Luminaire Tested: **22PT-45-PP3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738202
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-45-PP3-L850
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

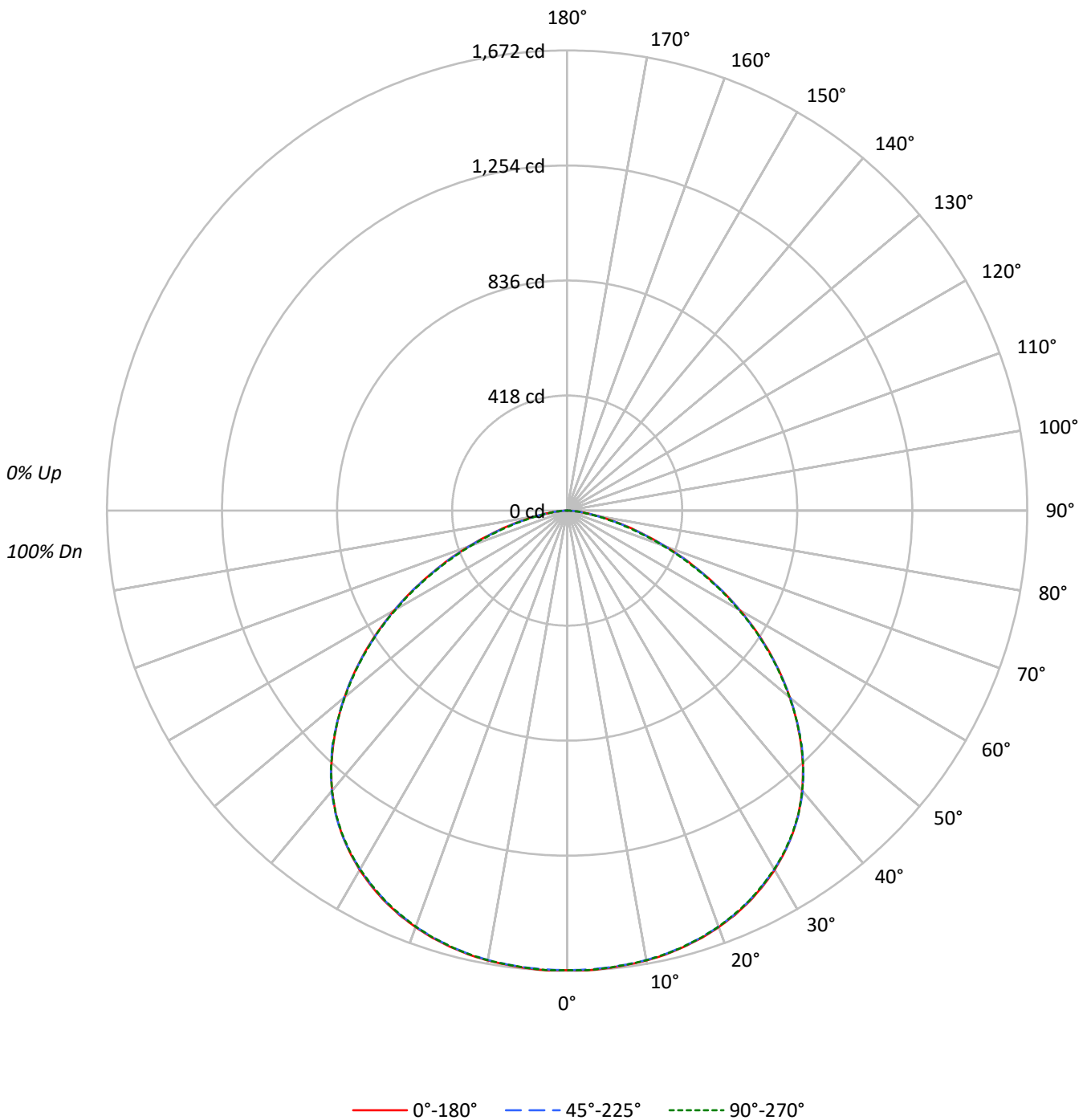
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792.0 lumens
Efficiency: N/A
Efficacy: 135.8 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): 35.3
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	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	52	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°	4894	4894	4894
5°	4909	4903	4906
10°	4940	4933	4936
15°	4978	4973	4973
20°	5022	5017	5015
25°	5066	5057	5057
30°	5102	5093	5091
35°	5116	5116	5110
40°	5083	5094	5083
45°	4982	4996	4989
50°	4815	4822	4810
55°	4584	4573	4563
60°	4256	4245	4212
65°	3801	3797	3754
70°	3249	3229	3158
75°	2589	2512	2436
80°	1844	1807	1713
85°	1200	1200	1163



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.8	3.3
10°-20°	463.3	9.7
20°-30°	721.4	15.1
30°-40°	892.9	18.6
40°-50°	925.9	19.3
50°-60°	798.0	16.7
60°-70°	542.6	11.3
70°-80°	242.8	5.1
80°-90°	46.2	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°	1343.6	28.0
0°-40°	2236.5	46.7
0°-60°	3960.4	82.6
0°-90°	4792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1670	1670	1670	1670	1670	
5°	1669	1666	1667	1666	1668	159
15°	1641	1638	1640	1638	1640	464
25°	1567	1565	1564	1564	1564	723
35°	1430	1429	1430	1428	1429	893
45°	1202	1201	1206	1203	1204	925
55°	897	894	895	893	893	800
65°	548	553	548	546	542	544
75°	229	229	222	221	215	246
85°	36	37	36	35	35	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1670.2	1670.2	1670.2	1670.2	1670.2
2.5°	1672.5	1669.1	1669.1	1669.7	1671.4
5°	1669.1	1665.8	1666.9	1666.3	1668.0
7.5°	1664.7	1661.9	1663.6	1662.4	1663.6
10°	1660.2	1657.4	1658.0	1657.4	1659.1
12.5°	1652.3	1649.1	1650.2	1650.2	1650.8
15°	1641.2	1638.4	1639.5	1638.4	1639.5
17.5°	1627.8	1624.5	1625.1	1624.5	1625.6
20°	1610.6	1608.4	1608.9	1607.8	1608.4
22.5°	1591.0	1588.2	1588.8	1587.8	1587.8
25°	1567.1	1564.8	1564.3	1563.7	1564.3
27.5°	1539.1	1536.5	1536.5	1535.8	1535.8
30°	1508.0	1505.2	1505.2	1504.6	1504.6
32.5°	1471.1	1470.0	1470.6	1469.5	1468.9
35°	1430.4	1428.7	1430.4	1428.2	1428.7
37.5°	1383.0	1380.8	1384.1	1381.9	1382.4
40°	1328.9	1327.8	1331.7	1330.0	1328.9
42.5°	1268.7	1268.7	1270.4	1270.9	1269.8
45°	1202.4	1201.3	1205.7	1202.9	1204.0
47.5°	1130.9	1129.4	1132.6	1132.0	1131.5
50°	1056.3	1055.1	1057.9	1055.1	1055.1
52.5°	978.7	978.1	978.7	975.9	975.3
55°	897.3	894.0	895.1	893.3	893.3
57.5°	812.5	808.6	809.2	808.6	809.2
60°	726.2	724.9	724.4	721.6	718.8
62.5°	637.5	638.6	637.9	634.0	631.2
65°	548.2	552.7	547.7	546.0	541.5
67.5°	464.0	465.6	462.3	458.4	453.4
70°	379.3	382.5	376.9	373.0	368.6
72.5°	298.4	300.6	295.6	293.4	287.8
75°	228.7	229.3	221.9	220.8	215.2
77.5°	162.8	165.0	159.5	159.5	153.9
80°	109.3	113.2	107.1	105.4	101.5
82.5°	68.7	69.1	67.4	65.8	64.1
85°	35.7	36.8	35.7	34.6	34.6
87.5°	13.5	13.9	13.5	12.8	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)