

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: P738182

Luminaire Tested: **22PT-45-PB1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-45-PB1-L950
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

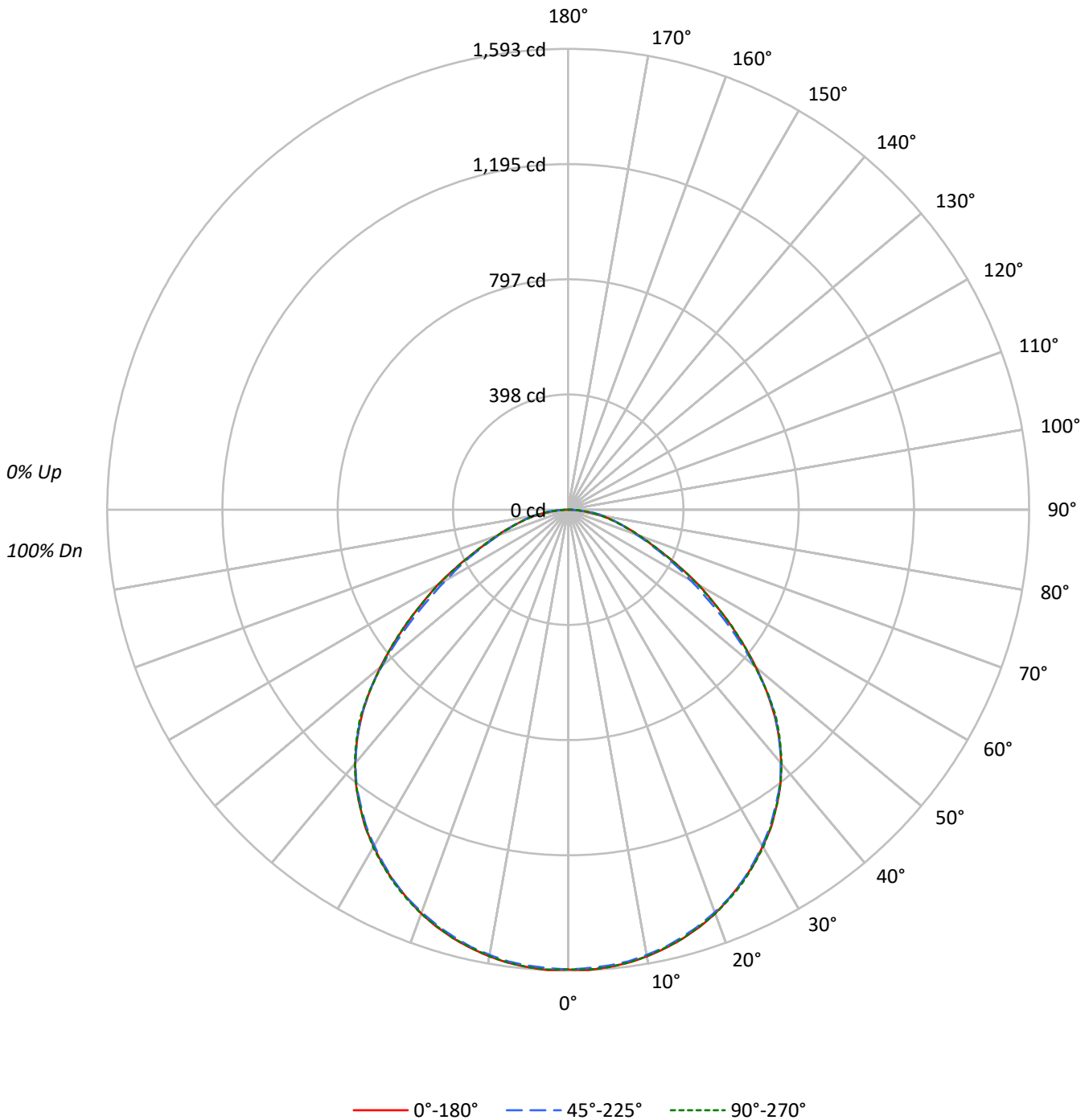
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4007.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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

TEST NUMBER: P738182
CATALOG NUMBER: 22PT-45-PB1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738182

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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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64					62				
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4657	4657	4657
5°	4669	4654	4669
10°	4665	4650	4663
15°	4654	4637	4652
20°	4631	4617	4633
25°	4593	4589	4603
30°	4547	4535	4559
35°	4485	4469	4485
40°	4381	4371	4386
45°	4184	4192	4208
50°	3864	3831	3837
55°	3452	3336	3465
60°	3048	2862	3029
65°	2553	2472	2553
70°	2214	2153	2225
75°	2019	2048	2019
80°	1897	2060	1908
85°	1651	2020	1694



TEST NUMBER: P738182

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.7	3.8
10°-20°	432.2	10.8
20°-30°	654.4	16.3
30°-40°	782.7	19.5
40°-50°	774.9	19.3
50°-60°	595.8	14.9
60°-70°	362.8	9.1
70°-80°	192.0	4.8
80°-90°	61.5	1.5
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°	1237.2	30.9
0°-40°	2019.9	50.4
0°-60°	3390.6	84.6
0°-90°	4007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1587	1587	1582	1585	1587	151
15°	1534	1532	1528	1532	1534	433
25°	1421	1419	1419	1421	1424	655
35°	1254	1253	1249	1253	1254	784
45°	1010	1010	1012	1012	1016	775
55°	676	667	653	665	678	606
65°	368	359	357	356	368	372
75°	178	178	181	180	178	192
85°	49	56	60	57	50	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1589.3	1589.3	1589.3	1589.3	1589.3
2.5°	1593.1	1590.6	1586.0	1589.3	1591.2
5°	1587.3	1586.7	1582.2	1584.7	1587.3
7.5°	1580.2	1578.3	1575.1	1577.6	1579.6
10°	1567.9	1566.7	1562.8	1566.0	1567.3
12.5°	1552.4	1551.1	1548.6	1551.1	1550.5
15°	1534.4	1531.8	1528.5	1531.8	1533.7
17.5°	1511.7	1509.2	1506.6	1508.5	1509.8
20°	1485.3	1481.4	1480.7	1483.3	1485.9
22.5°	1453.6	1453.6	1452.9	1454.9	1456.2
25°	1420.6	1419.4	1419.4	1421.3	1423.9
27.5°	1385.1	1382.5	1381.2	1384.5	1386.4
30°	1343.8	1343.1	1340.5	1345.7	1347.6
32.5°	1303.7	1297.3	1298.5	1301.1	1301.8
35°	1254.0	1252.7	1249.4	1253.3	1254.0
37.5°	1203.6	1202.9	1201.0	1202.3	1202.9
40°	1145.4	1144.8	1142.8	1145.4	1146.7
42.5°	1080.8	1079.5	1079.5	1081.5	1083.4
45°	1009.8	1010.4	1011.7	1012.3	1015.6
47.5°	930.3	931.6	932.9	931.6	932.2
50°	847.6	847.0	840.5	845.0	841.8
52.5°	760.4	750.7	745.5	755.9	763.0
55°	675.8	666.7	653.1	664.8	678.3
57.5°	594.4	578.9	564.6	578.2	591.8
60°	520.1	496.2	488.4	496.8	516.8
62.5°	440.6	423.8	421.2	422.5	440.0
65°	368.2	359.2	356.6	356.0	368.2
67.5°	308.8	303.0	299.8	302.3	310.1
70°	258.4	255.8	251.3	255.8	259.7
72.5°	217.1	216.4	212.5	216.4	215.1
75°	178.3	178.3	180.9	179.6	178.3
77.5°	145.4	146.7	151.2	147.3	143.4
80°	112.4	115.6	122.1	116.3	113.1
82.5°	80.1	87.2	94.3	87.2	82.7
85°	49.1	56.2	60.1	56.9	50.4
87.5°	21.3	25.2	26.5	24.5	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)