

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: P738181

Luminaire Tested: **22PT-45-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738181
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-L940
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

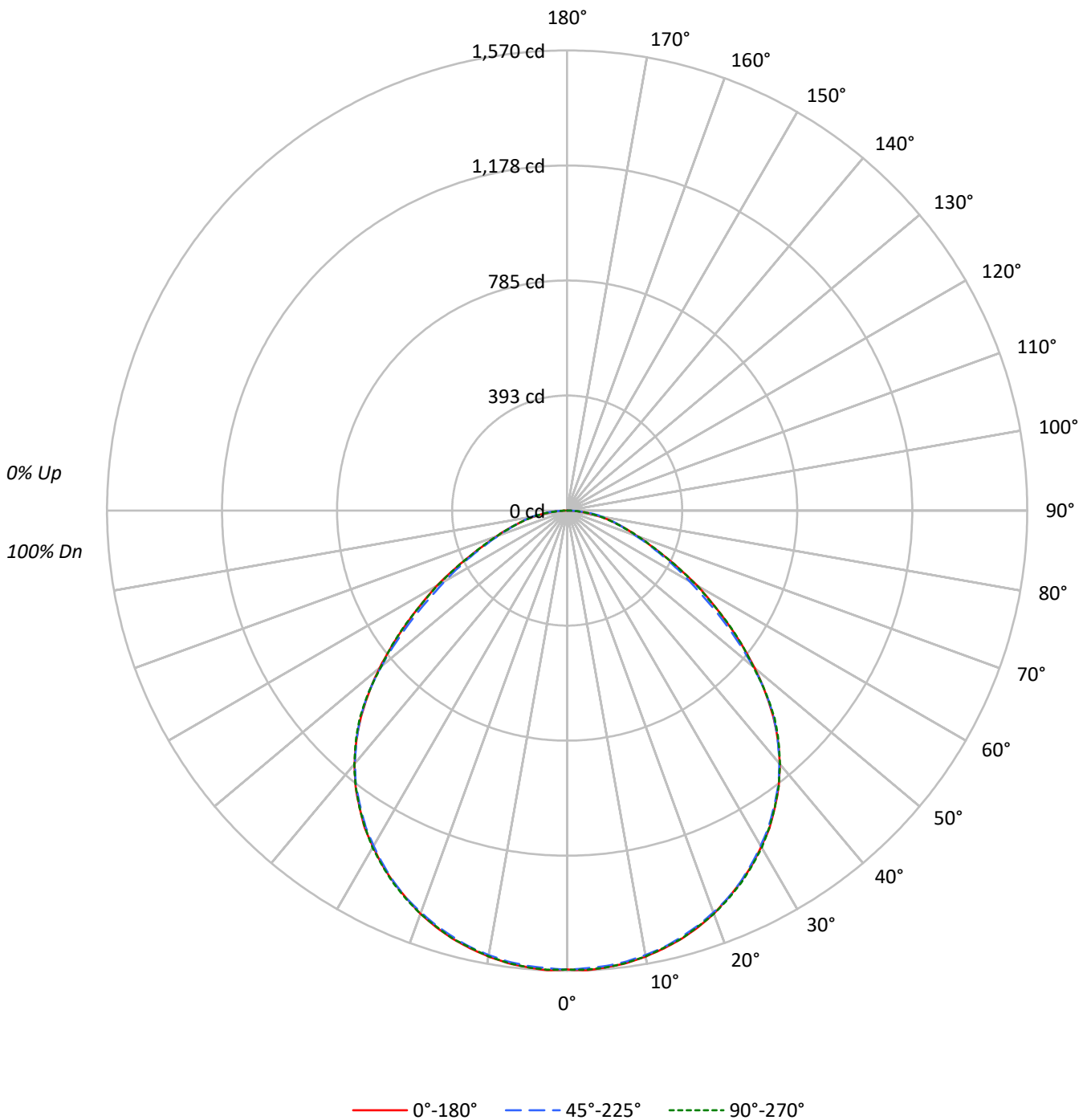
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3948.0 lumens
Efficiency: N/A
Efficacy: 111.8 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4588	4588	4588
5°	4600	4585	4600
10°	4596	4581	4594
15°	4586	4568	4584
20°	4563	4549	4565
25°	4525	4521	4536
30°	4480	4469	4492
35°	4419	4403	4419
40°	4317	4307	4321
45°	4123	4130	4146
50°	3807	3775	3781
55°	3401	3287	3414
60°	3003	2820	2984
65°	2515	2436	2515
70°	2181	2121	2192
75°	1989	2017	1989
80°	1870	2030	1880
85°	1627	1990	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	3.8
10°-20°	425.8	10.8
20°-30°	644.8	16.3
30°-40°	771.1	19.5
40°-50°	763.5	19.3
50°-60°	587.0	14.9
60°-70°	357.5	9.1
70°-80°	189.2	4.8
80°-90°	60.6	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°	1219.0	30.9
0°-40°	1990.2	50.4
0°-60°	3340.7	84.6
0°-90°	3948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1564	1563	1559	1561	1564	149
15°	1512	1509	1506	1509	1511	427
25°	1400	1398	1398	1400	1403	645
35°	1236	1234	1231	1235	1236	772
45°	995	996	997	997	1001	763
55°	666	657	644	655	668	597
65°	363	354	351	351	363	367
75°	176	176	178	177	176	189
85°	48	55	59	56	50	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1565.9	1565.9	1565.9	1565.9	1565.9
2.5°	1569.7	1567.1	1562.7	1565.9	1567.8
5°	1564.0	1563.3	1558.9	1561.4	1564.0
7.5°	1557.0	1555.0	1551.9	1554.4	1556.3
10°	1544.9	1543.6	1539.8	1542.9	1544.2
12.5°	1529.6	1528.3	1525.8	1528.3	1527.7
15°	1511.8	1509.2	1506.0	1509.2	1511.1
17.5°	1489.5	1486.9	1484.4	1486.3	1487.6
20°	1463.4	1459.6	1458.9	1461.5	1464.0
22.5°	1432.2	1432.2	1431.6	1433.5	1434.7
25°	1399.7	1398.5	1398.5	1400.4	1402.9
27.5°	1364.7	1362.2	1360.9	1364.1	1366.0
30°	1324.0	1323.3	1320.8	1325.9	1327.8
32.5°	1284.5	1278.2	1279.4	1282.0	1282.6
35°	1235.5	1234.2	1231.0	1234.9	1235.5
37.5°	1185.9	1185.2	1183.3	1184.6	1185.2
40°	1128.6	1127.9	1126.0	1128.6	1129.8
42.5°	1064.9	1063.6	1063.6	1065.6	1067.5
45°	994.9	995.5	996.8	997.4	1000.6
47.5°	916.6	917.9	919.1	917.9	918.5
50°	835.1	834.5	828.1	832.6	829.4
52.5°	749.2	739.6	734.6	744.7	751.7
55°	665.8	656.9	643.5	655.0	668.4
57.5°	585.6	570.3	556.3	569.7	583.1
60°	512.4	488.9	481.2	489.5	509.2
62.5°	434.1	417.6	415.0	416.3	433.5
65°	362.8	353.9	351.4	350.7	362.8
67.5°	304.3	298.5	295.3	297.9	305.5
70°	254.6	252.1	247.6	252.1	255.9
72.5°	213.9	213.2	209.4	213.2	212.0
75°	175.7	175.7	178.2	177.0	175.7
77.5°	143.2	144.5	148.9	145.1	141.3
80°	110.8	113.9	120.3	114.6	111.4
82.5°	78.9	85.9	92.9	85.9	81.5
85°	48.4	55.4	59.2	56.0	49.6
87.5°	21.0	24.8	26.1	24.2	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)