

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: P738550

Luminaire Tested: **24PT-45-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-45-PR1-L950
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

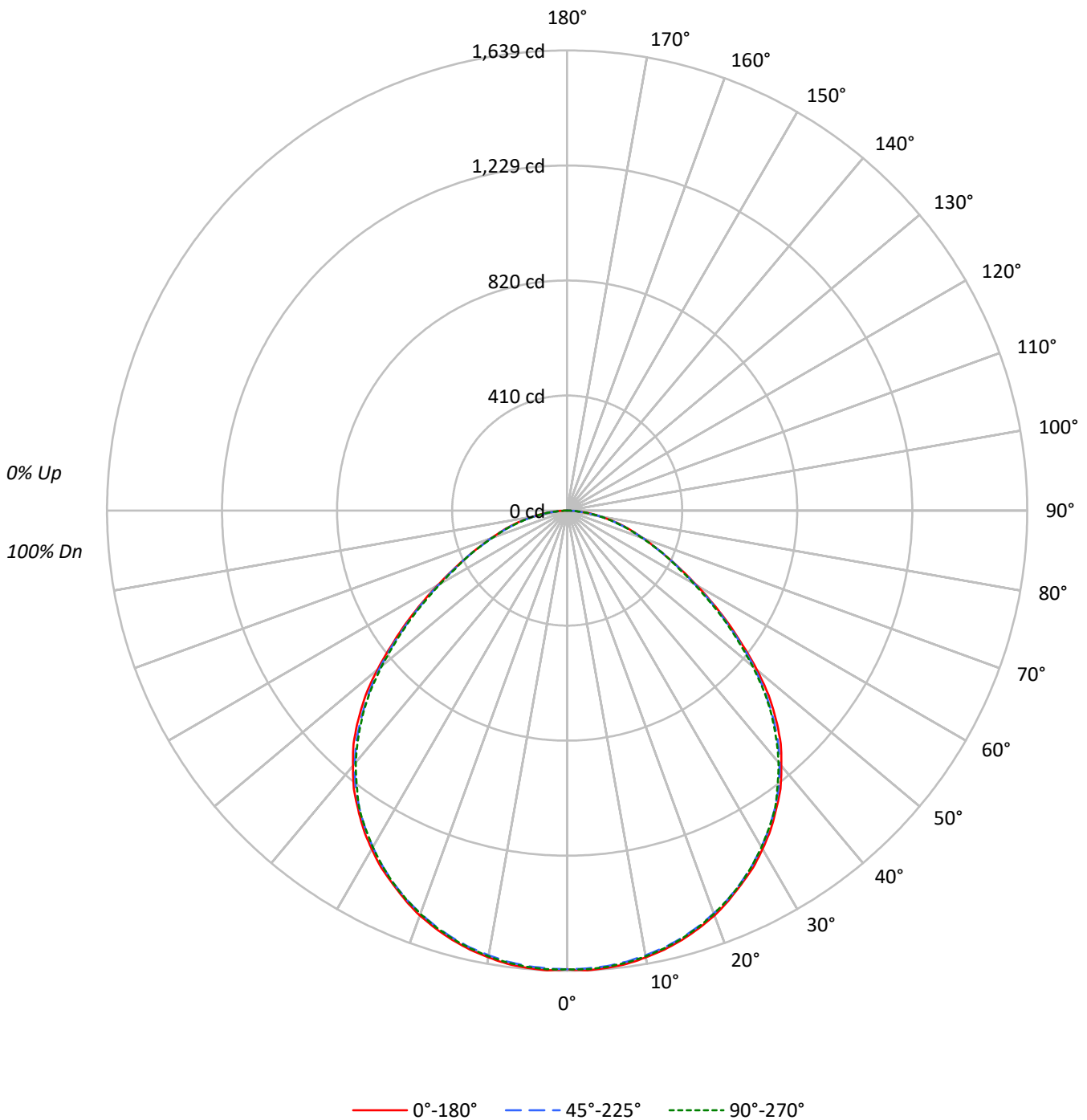
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4161.0 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 37.2
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2343	2343	2343
5°	2354	2344	2348
10°	2353	2342	2347
15°	2350	2339	2343
20°	2342	2330	2332
25°	2323	2316	2317
30°	2305	2292	2292
35°	2273	2259	2262
40°	2221	2203	2193
45°	2133	2099	2088
50°	1969	1940	1922
55°	1753	1727	1716
60°	1528	1511	1495
65°	1339	1340	1332
70°	1205	1201	1183
75°	1122	1089	1091
80°	1002	983	983
85°	773	795	765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	3.7
10°-20°	445.0	10.7
20°-30°	674.7	16.2
30°-40°	807.0	19.4
40°-50°	796.8	19.1
50°-60°	620.2	14.9
60°-70°	393.7	9.5
70°-80°	211.3	5.1
80°-90°	57.3	1.4
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°	1274.7	30.6
0°-40°	2081.7	50.0
0°-60°	3498.7	84.1
0°-90°	4161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1634	1634	1634	1634	1634	
5°	1635	1630	1628	1628	1631	155
15°	1583	1577	1576	1574	1579	447
25°	1468	1466	1464	1461	1465	677
35°	1299	1296	1291	1287	1292	812
45°	1052	1044	1035	1030	1030	807
55°	701	697	691	686	686	628
65°	395	396	395	390	393	396
75°	202	199	197	196	197	214
85°	47	48	48	48	46	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1633.9	1633.9	1633.9	1633.9	1633.9
2.5°	1639.3	1633.9	1632.0	1631.1	1635.2
5°	1635.2	1630.2	1628.4	1627.5	1631.1
7.5°	1628.4	1622.4	1620.6	1619.7	1623.8
10°	1616.1	1610.6	1608.3	1608.3	1612.0
12.5°	1601.5	1596.9	1594.6	1592.8	1596.9
15°	1582.8	1577.3	1575.9	1574.1	1578.7
17.5°	1560.4	1554.9	1553.1	1552.2	1555.4
20°	1534.9	1528.0	1527.1	1526.7	1528.5
22.5°	1503.4	1499.7	1497.9	1497.0	1498.4
25°	1468.3	1465.5	1463.7	1461.0	1464.6
27.5°	1434.1	1430.4	1425.9	1423.6	1425.9
30°	1392.1	1387.5	1384.3	1383.4	1384.3
32.5°	1348.8	1344.2	1340.1	1339.6	1339.2
35°	1298.6	1295.9	1290.8	1286.7	1292.2
37.5°	1248.9	1242.5	1237.9	1232.9	1231.5
40°	1186.8	1184.6	1176.8	1172.2	1171.8
42.5°	1126.6	1116.1	1110.7	1107.5	1102.5
45°	1051.8	1044.5	1035.0	1029.9	1029.5
47.5°	973.8	964.7	955.6	948.7	950.6
50°	882.6	878.5	869.8	863.9	861.6
52.5°	788.6	787.7	778.6	775.0	770.9
55°	701.1	697.4	691.0	686.5	686.5
57.5°	614.9	611.7	608.5	599.8	599.8
60°	532.8	532.3	526.8	521.8	521.4
62.5°	459.3	462.1	457.0	452.0	449.3
65°	394.6	395.9	395.0	390.0	392.7
67.5°	337.5	338.0	336.2	333.4	335.3
70°	287.4	289.6	286.4	284.6	282.3
72.5°	243.6	242.7	239.9	241.3	238.1
75°	202.5	199.3	196.6	196.1	197.0
77.5°	161.5	160.6	158.3	158.3	156.9
80°	121.3	120.4	119.0	119.5	119.0
82.5°	86.2	83.9	82.1	83.0	83.5
85°	47.0	47.9	48.3	48.3	46.5
87.5°	19.2	18.7	19.2	20.1	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)