

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: P738558

Luminaire Tested: **24PT-45-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-45-PW1-L950
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

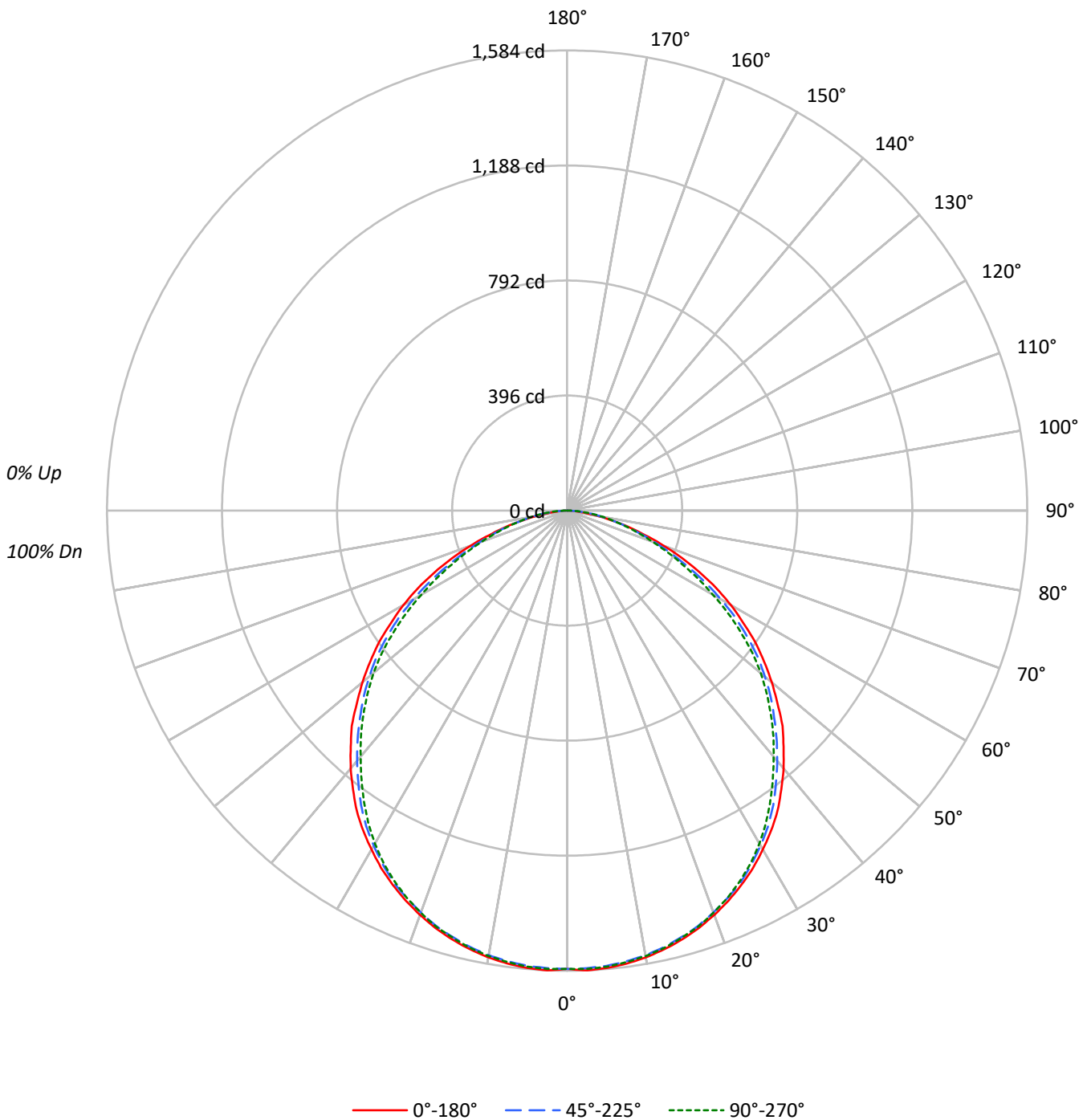
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4207.0 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2262	2262	2262
5°	2275	2264	2268
10°	2273	2263	2267
15°	2269	2257	2259
20°	2260	2247	2248
25°	2248	2235	2226
30°	2230	2205	2191
35°	2210	2165	2135
40°	2170	2105	2070
45°	2127	2044	2011
50°	2051	1982	1940
55°	1976	1892	1823
60°	1868	1753	1663
65°	1710	1561	1481
70°	1482	1354	1304
75°	1213	1167	1152
80°	885	998	1028
85°	592	832	885



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	3.6
10°-20°	429.6	10.2
20°-30°	650.2	15.5
30°-40°	773.6	18.4
40°-50°	781.4	18.6
50°-60°	676.2	16.1
60°-70°	461.9	11.0
70°-80°	227.6	5.4
80°-90°	56.9	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°	1229.4	29.2
0°-40°	2003.0	47.6
0°-60°	3460.6	82.3
0°-90°	4207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1580	1575	1573	1571	1576	150
15°	1528	1524	1520	1519	1522	431
25°	1421	1415	1413	1407	1407	655
35°	1263	1252	1237	1223	1220	788
45°	1049	1031	1008	997	992	805
55°	790	780	757	741	729	704
65°	504	485	460	445	436	498
75°	219	213	211	209	208	234
85°	36	45	51	52	54	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1584.2	1578.2	1576.4	1575.1	1579.2
5°	1580.5	1574.6	1572.8	1571.4	1576.0
7.5°	1572.8	1566.8	1565.0	1563.6	1567.3
10°	1561.4	1555.9	1554.1	1552.7	1556.8
12.5°	1546.8	1541.8	1539.5	1537.6	1542.2
15°	1528.5	1523.5	1520.3	1519.4	1522.1
17.5°	1506.6	1501.6	1499.3	1498.0	1501.2
20°	1481.1	1475.6	1472.4	1470.6	1473.3
22.5°	1452.8	1447.3	1443.2	1441.4	1442.3
25°	1420.9	1415.4	1412.7	1407.2	1407.2
27.5°	1386.7	1380.3	1373.4	1367.5	1368.0
30°	1347.0	1339.7	1331.5	1323.7	1323.3
32.5°	1306.8	1297.7	1287.7	1277.2	1274.0
35°	1262.6	1252.1	1237.1	1223.4	1219.7
37.5°	1210.6	1201.0	1180.9	1169.5	1163.6
40°	1159.1	1145.4	1124.8	1111.6	1106.1
42.5°	1102.5	1089.3	1067.4	1055.1	1050.5
45°	1048.7	1030.9	1008.1	996.7	991.6
47.5°	981.6	967.0	951.1	937.8	931.4
50°	919.6	907.7	888.6	874.0	869.9
52.5°	854.8	844.8	826.5	807.4	802.8
55°	790.5	779.5	756.7	740.8	729.4
57.5°	718.0	708.4	686.9	666.4	656.4
60°	651.4	634.9	611.2	588.9	579.8
62.5°	578.8	562.9	535.5	512.7	507.7
65°	504.0	484.9	460.2	445.2	436.5
67.5°	428.3	409.6	389.1	379.5	374.0
70°	353.5	338.5	322.9	316.1	311.1
72.5°	281.4	272.8	264.1	261.4	256.8
75°	218.9	212.6	210.7	209.4	208.0
77.5°	157.8	161.0	162.8	164.7	162.8
80°	107.2	114.0	120.9	124.5	124.5
82.5°	66.1	78.0	83.9	87.6	87.1
85°	36.0	44.7	50.6	52.5	53.8
87.5°	14.6	18.2	20.5	22.4	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)