

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: P738531

Luminaire Tested: **24PT-45-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-45-PC3-L930
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

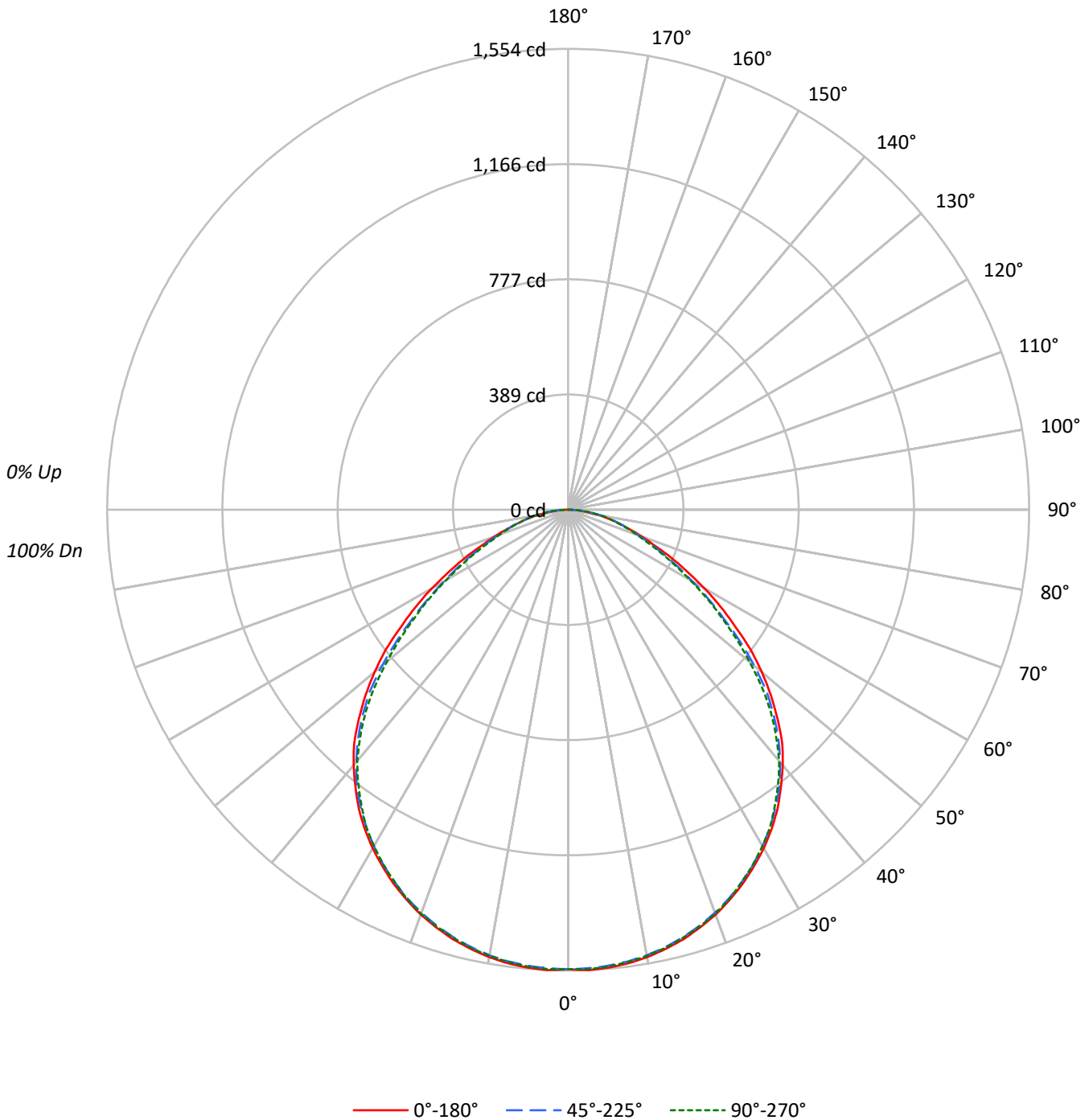
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3908.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	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°	2221	2221	2221
5°	2231	2222	2226
10°	2231	2221	2224
15°	2226	2216	2218
20°	2217	2207	2211
25°	2202	2191	2191
30°	2183	2169	2168
35°	2154	2137	2127
40°	2106	2081	2071
45°	2024	1987	1959
50°	1901	1828	1779
55°	1718	1602	1572
60°	1520	1386	1359
65°	1299	1201	1171
70°	1101	1054	1023
75°	965	982	948
80°	865	955	901
85°	730	872	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	3.8
10°-20°	421.6	10.8
20°-30°	638.7	16.3
30°-40°	762.9	19.5
40°-50°	752.6	19.3
50°-60°	582.6	14.9
60°-70°	358.1	9.2
70°-80°	187.6	4.8
80°-90°	56.9	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°	1207.3	30.9
0°-40°	1970.2	50.4
0°-60°	3305.4	84.6
0°-90°	3908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1550	1545	1544	1543	1547	147
15°	1500	1495	1493	1492	1494	423
25°	1392	1388	1385	1384	1385	641
35°	1231	1225	1221	1217	1215	768
45°	998	991	980	969	966	768
55°	687	669	641	631	629	617
65°	383	365	354	344	345	382
75°	174	176	177	174	171	188
85°	44	50	53	52	50	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1549.3	1549.3	1549.3	1549.3	1549.3
2.5°	1554.5	1549.7	1547.6	1547.1	1550.6
5°	1550.2	1545.4	1543.7	1542.8	1546.7
7.5°	1543.3	1538.1	1536.4	1535.1	1538.5
10°	1532.5	1527.3	1525.6	1524.7	1527.7
12.5°	1517.0	1512.2	1510.9	1509.6	1513.5
15°	1499.7	1495.0	1492.8	1491.5	1494.5
17.5°	1477.3	1473.4	1470.8	1470.8	1473.4
20°	1453.1	1448.4	1446.2	1444.9	1449.3
22.5°	1423.4	1420.4	1417.8	1415.6	1420.4
25°	1391.9	1387.6	1385.0	1384.1	1384.6
27.5°	1356.1	1353.1	1349.6	1348.4	1349.2
30°	1318.6	1314.7	1310.0	1307.4	1309.5
32.5°	1276.8	1271.2	1267.3	1264.7	1267.7
35°	1230.6	1225.0	1220.7	1216.8	1215.1
37.5°	1178.0	1176.3	1170.3	1163.4	1162.9
40°	1125.0	1120.3	1111.6	1108.6	1106.5
42.5°	1068.1	1058.2	1049.1	1040.5	1037.5
45°	998.2	990.9	979.7	969.3	965.9
47.5°	926.6	917.2	906.4	888.3	886.1
50°	852.0	838.2	819.3	804.2	797.7
52.5°	774.4	755.9	729.6	716.7	713.2
55°	687.3	668.8	640.8	631.3	628.7
57.5°	609.7	582.5	559.7	548.9	552.4
60°	529.9	503.6	483.4	473.0	473.9
62.5°	451.9	431.2	416.1	406.2	407.5
65°	382.9	365.2	354.0	343.7	345.0
67.5°	315.2	307.0	298.8	292.8	289.3
70°	262.6	259.1	251.4	245.8	244.1
72.5°	214.7	216.9	210.4	208.7	208.3
75°	174.2	175.9	177.2	173.8	171.2
77.5°	139.3	141.9	147.0	142.3	141.4
80°	104.8	110.0	115.6	112.5	109.1
82.5°	73.3	79.8	84.9	81.1	79.3
85°	44.4	49.6	53.0	51.7	50.5
87.5°	19.8	21.6	23.3	23.7	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)