

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: P738556

Luminaire Tested: **24PT-45-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738556
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-L935
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

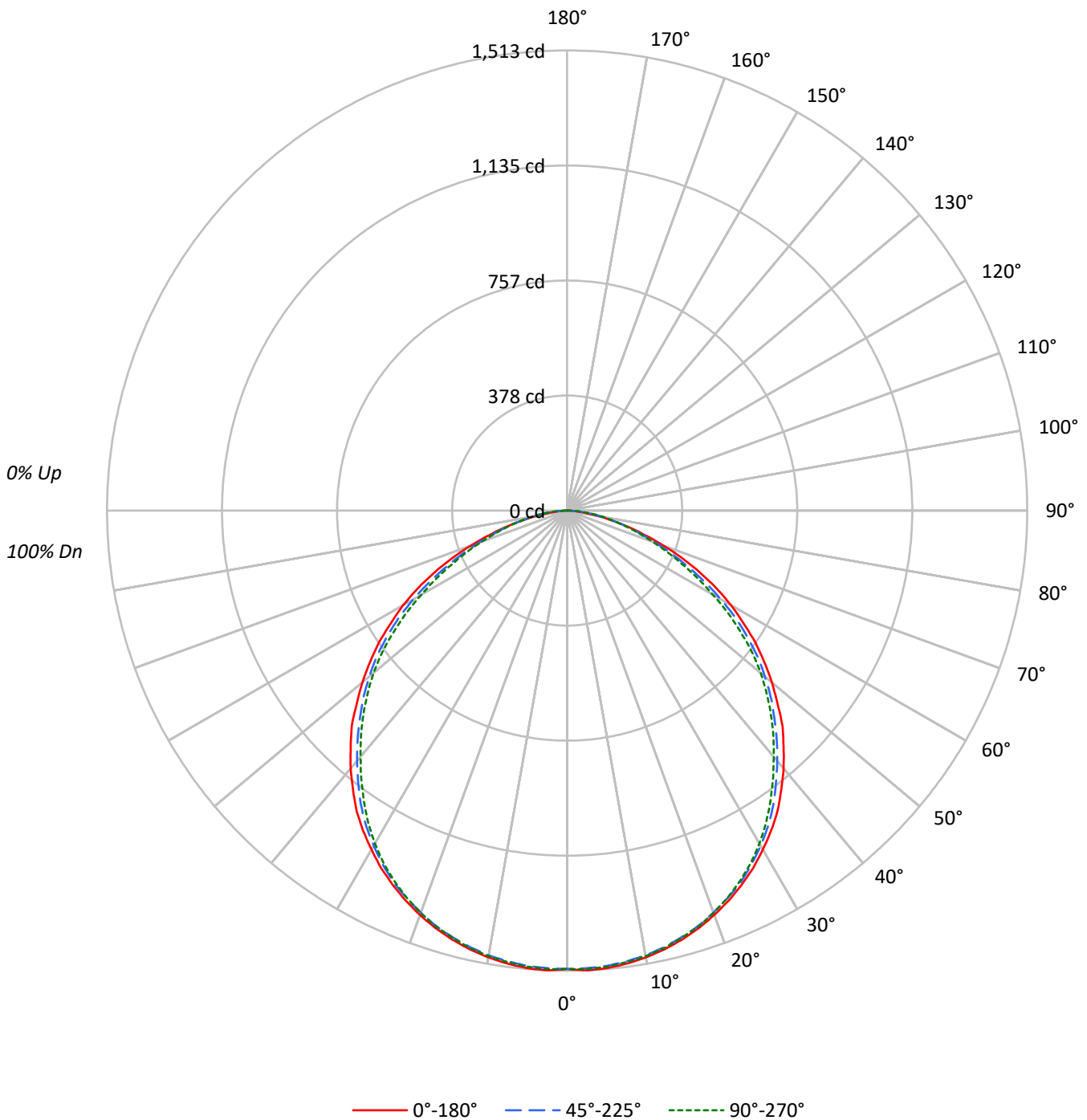
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4019.0 lumens
Efficiency: N/A
Efficacy: 108.0 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°	2161	2161	2161
5°	2173	2163	2167
10°	2172	2162	2165
15°	2168	2156	2159
20°	2159	2146	2148
25°	2148	2135	2127
30°	2131	2106	2093
35°	2111	2069	2040
40°	2073	2011	1978
45°	2031	1953	1921
50°	1960	1894	1854
55°	1888	1807	1742
60°	1785	1674	1588
65°	1634	1492	1415
70°	1416	1293	1246
75°	1159	1115	1101
80°	846	954	983
85°	566	796	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	3.6
10°-20°	410.4	10.2
20°-30°	621.1	15.5
30°-40°	739.0	18.4
40°-50°	746.5	18.6
50°-60°	645.9	16.1
60°-70°	441.3	11.0
70°-80°	217.5	5.4
80°-90°	54.3	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°	1174.5	29.2
0°-40°	1913.5	47.6
0°-60°	3305.9	82.3
0°-90°	4019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1507	1507	1507	1507	1507	
5°	1510	1504	1502	1501	1506	144
15°	1460	1455	1452	1452	1454	412
25°	1357	1352	1350	1344	1344	626
35°	1206	1196	1182	1169	1165	753
45°	1002	985	963	952	947	769
55°	755	745	723	708	697	672
65°	482	463	440	425	417	476
75°	209	203	201	200	199	224
85°	34	43	48	50	51	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1507.3	1507.3	1507.3	1507.3	1507.3
2.5°	1513.4	1507.7	1506.0	1504.7	1508.6
5°	1509.9	1504.2	1502.5	1501.2	1505.5
7.5°	1502.5	1496.8	1495.1	1493.8	1497.3
10°	1491.6	1486.4	1484.6	1483.3	1487.2
12.5°	1477.6	1472.9	1470.7	1468.9	1473.3
15°	1460.2	1455.4	1452.4	1451.5	1454.1
17.5°	1439.3	1434.5	1432.3	1431.0	1434.1
20°	1414.9	1409.7	1406.6	1404.9	1407.5
22.5°	1387.9	1382.7	1378.7	1377.0	1377.9
25°	1357.4	1352.2	1349.5	1344.3	1344.3
27.5°	1324.7	1318.6	1312.1	1306.4	1306.8
30°	1286.8	1279.8	1272.0	1264.6	1264.1
32.5°	1248.4	1239.7	1230.1	1220.1	1217.1
35°	1206.2	1196.2	1181.8	1168.7	1165.2
37.5°	1156.5	1147.3	1128.2	1117.3	1111.6
40°	1107.3	1094.2	1074.6	1061.9	1056.7
42.5°	1053.2	1040.6	1019.7	1007.9	1003.5
45°	1001.8	984.8	963.0	952.1	947.3
47.5°	937.7	923.8	908.6	895.9	889.8
50°	878.5	867.2	848.9	834.9	831.0
52.5°	816.6	807.0	789.6	771.3	766.9
55°	755.2	744.7	722.9	707.7	696.8
57.5°	685.9	676.7	656.2	636.6	627.1
60°	622.3	606.6	583.9	562.6	553.8
62.5°	553.0	537.7	511.6	489.8	485.0
65°	481.5	463.2	439.7	425.3	417.0
67.5°	409.2	391.3	371.7	362.5	357.3
70°	337.7	323.3	308.5	302.0	297.2
72.5°	268.9	260.6	252.3	249.7	245.3
75°	209.2	203.1	201.3	200.0	198.7
77.5°	150.8	153.8	155.6	157.3	155.6
80°	102.4	108.9	115.5	119.0	119.0
82.5°	63.2	74.5	80.2	83.7	83.2
85°	34.4	42.7	48.4	50.1	51.4
87.5°	13.9	17.4	19.6	21.4	22.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)