

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: P738487

Luminaire Tested: **24PT-35-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738487
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-35-PW1-L830
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

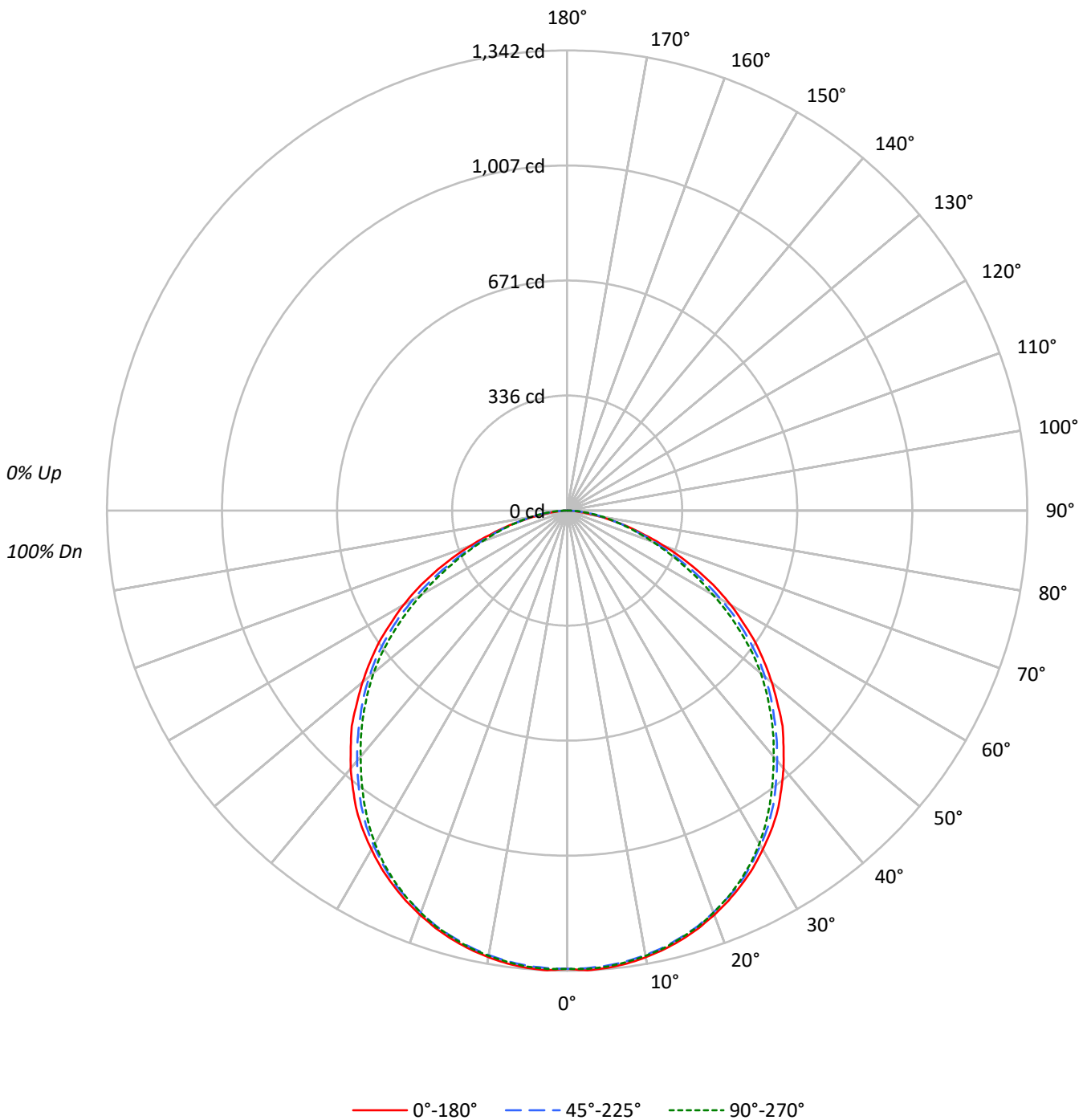
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3564.0 lumens
Efficiency: N/A
Efficacy: 126.4 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): 28.2
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	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°	1916	1916	1916
5°	1927	1918	1922
10°	1926	1917	1920
15°	1922	1912	1914
20°	1915	1903	1904
25°	1904	1893	1886
30°	1889	1868	1856
35°	1872	1834	1809
40°	1838	1784	1754
45°	1801	1732	1704
50°	1738	1679	1644
55°	1674	1603	1545
60°	1582	1485	1408
65°	1449	1323	1255
70°	1256	1147	1105
75°	1028	989	976
80°	750	846	871
85°	502	706	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	3.6
10°-20°	363.9	10.2
20°-30°	550.8	15.5
30°-40°	655.4	18.4
40°-50°	662.0	18.6
50°-60°	572.8	16.1
60°-70°	391.3	11.0
70°-80°	192.8	5.4
80°-90°	48.2	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°	1041.5	29.2
0°-40°	1696.9	47.6
0°-60°	2931.7	82.3
0°-90°	3564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1337	1337	1337	1337	1337	
5°	1339	1334	1332	1331	1335	127
15°	1295	1291	1288	1287	1290	365
25°	1204	1199	1197	1192	1192	555
35°	1070	1061	1048	1036	1033	668
45°	888	873	854	844	840	682
55°	670	660	641	628	618	596
65°	427	411	390	377	370	422
75°	186	180	178	177	176	198
85°	30	38	43	44	46	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1336.6	1336.6	1336.6	1336.6	1336.6
2.5°	1342.0	1337.0	1335.5	1334.3	1337.8
5°	1339.0	1333.9	1332.4	1331.2	1335.1
7.5°	1332.4	1327.4	1325.8	1324.7	1327.8
10°	1322.7	1318.1	1316.5	1315.4	1318.9
12.5°	1310.4	1306.1	1304.2	1302.6	1306.5
15°	1294.9	1290.7	1287.9	1287.2	1289.5
17.5°	1276.4	1272.1	1270.2	1269.0	1271.7
20°	1254.7	1250.1	1247.4	1245.8	1248.1
22.5°	1230.8	1226.1	1222.6	1221.1	1221.9
25°	1203.7	1199.1	1196.8	1192.1	1192.1
27.5°	1174.7	1169.3	1163.5	1158.5	1158.9
30°	1141.1	1134.9	1128.0	1121.4	1121.0
32.5°	1107.1	1099.4	1090.9	1082.0	1079.3
35°	1069.6	1060.7	1048.0	1036.4	1033.3
37.5°	1025.6	1017.5	1000.4	990.8	985.8
40°	981.9	970.3	952.9	941.7	937.1
42.5°	934.0	922.8	904.2	893.8	889.9
45°	888.4	873.3	854.0	844.3	840.1
47.5°	831.6	819.2	805.7	794.5	789.1
50°	779.0	769.0	752.8	740.4	736.9
52.5°	724.2	715.7	700.2	684.0	680.1
55°	669.7	660.4	641.1	627.6	617.9
57.5°	608.2	600.1	582.0	564.6	556.1
60°	551.8	537.9	517.8	498.9	491.1
62.5°	490.4	476.8	453.7	434.3	430.1
65°	427.0	410.8	389.9	377.1	369.8
67.5°	362.9	347.0	329.6	321.5	316.9
70°	299.5	286.7	273.6	267.8	263.5
72.5°	238.4	231.1	223.7	221.4	217.6
75°	185.5	180.1	178.5	177.4	176.2
77.5°	133.7	136.4	138.0	139.5	138.0
80°	90.8	96.6	102.4	105.5	105.5
82.5°	56.0	66.1	71.1	74.2	73.8
85°	30.5	37.9	42.9	44.4	45.6
87.5°	12.4	15.5	17.4	18.9	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)