

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: P738127

Luminaire Tested: **22PT-35-PB1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PB1-L830
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

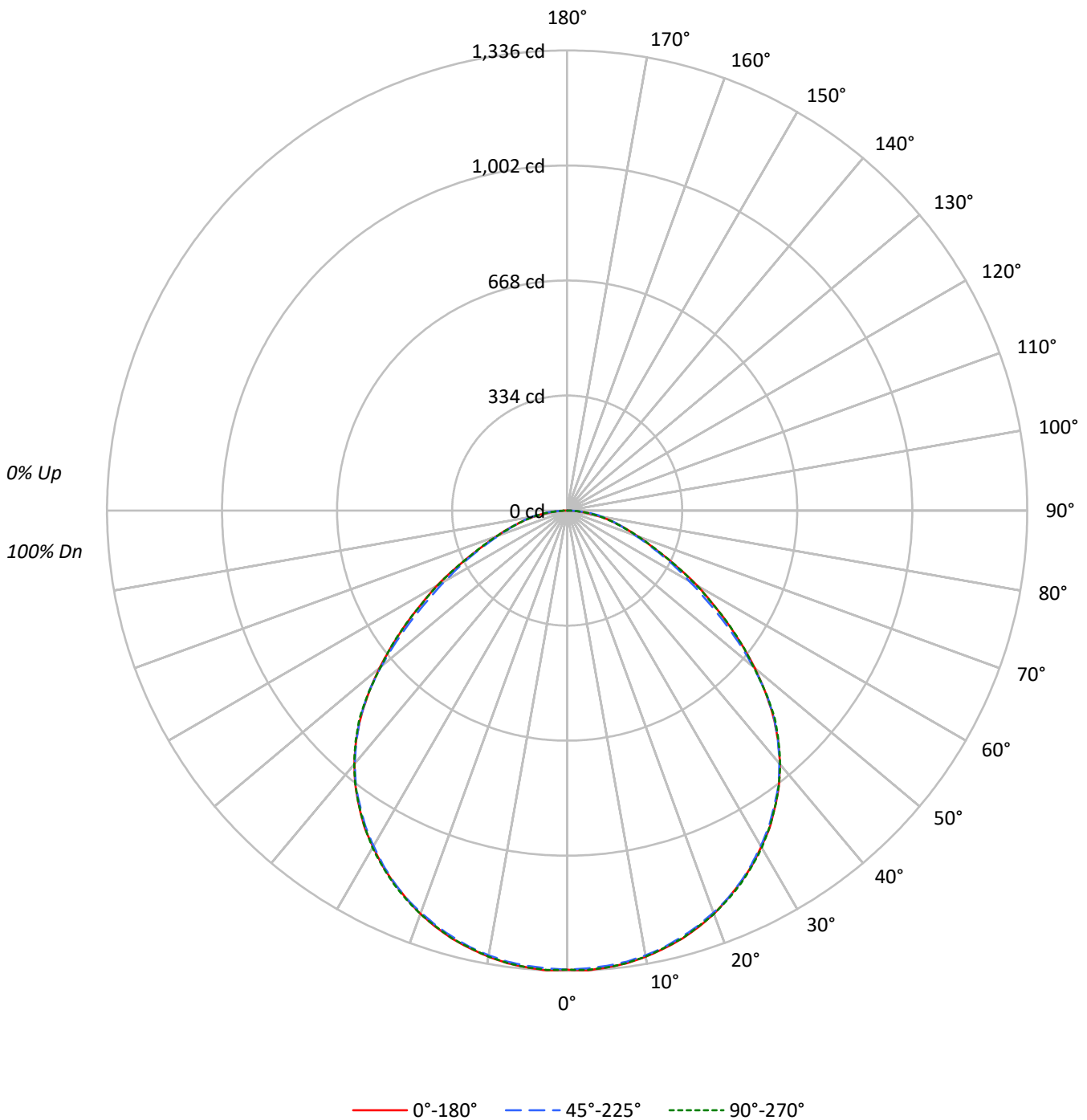
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3361.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
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

TEST NUMBER: P738127
CATALOG NUMBER: 22PT-35-PB1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738127

CATALOG NUMBER: 22PT-35-PB1-L830

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°	3906	3906	3906
5°	3916	3903	3916
10°	3913	3900	3911
15°	3904	3889	3902
20°	3885	3873	3886
25°	3852	3849	3861
30°	3813	3804	3825
35°	3762	3749	3762
40°	3675	3667	3679
45°	3510	3516	3530
50°	3241	3214	3219
55°	2895	2798	2907
60°	2556	2401	2540
65°	2142	2074	2142
70°	1857	1806	1866
75°	1694	1717	1694
80°	1591	1728	1600
85°	1385	1694	1422



TEST NUMBER: P738127

CATALOG NUMBER: 22PT-35-PB1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.8
10°-20°	362.5	10.8
20°-30°	548.9	16.3
30°-40°	656.5	19.5
40°-50°	650.0	19.3
50°-60°	499.8	14.9
60°-70°	304.3	9.1
70°-80°	161.1	4.8
80°-90°	51.6	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°	1037.8	30.9
0°-40°	1694.3	50.4
0°-60°	2844.0	84.6
0°-90°	3361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1333	1333	1333	1333	1333	
5°	1331	1331	1327	1329	1331	127
15°	1287	1285	1282	1285	1286	363
25°	1192	1190	1190	1192	1194	549
35°	1052	1051	1048	1051	1052	657
45°	847	848	849	849	852	650
55°	567	559	548	558	569	508
65°	309	301	299	299	309	312
75°	150	150	152	151	150	161
85°	41	47	50	48	42	47
90°	0	0	0	0	0	



TEST NUMBER: P738127

CATALOG NUMBER: 22PT-35-PB1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.0	1333.0	1333.0	1333.0	1333.0
2.5°	1336.3	1334.1	1330.3	1333.0	1334.7
5°	1331.4	1330.9	1327.1	1329.3	1331.4
7.5°	1325.5	1323.8	1321.1	1323.3	1324.9
10°	1315.2	1314.1	1310.8	1313.5	1314.6
12.5°	1302.2	1301.1	1298.9	1301.1	1300.5
15°	1287.0	1284.8	1282.1	1284.8	1286.4
17.5°	1268.0	1265.9	1263.7	1265.3	1266.4
20°	1245.8	1242.6	1242.0	1244.2	1246.3
22.5°	1219.3	1219.3	1218.7	1220.3	1221.4
25°	1191.6	1190.5	1190.5	1192.2	1194.3
27.5°	1161.8	1159.6	1158.6	1161.3	1162.9
30°	1127.1	1126.6	1124.4	1128.8	1130.4
32.5°	1093.5	1088.1	1089.2	1091.4	1091.9
35°	1051.8	1050.7	1048.0	1051.3	1051.8
37.5°	1009.5	1009.0	1007.4	1008.5	1009.0
40°	960.8	960.2	958.6	960.8	961.9
42.5°	906.6	905.5	905.5	907.1	908.7
45°	847.0	847.5	848.6	849.1	851.8
47.5°	780.3	781.4	782.5	781.4	781.9
50°	711.0	710.4	705.0	708.8	706.1
52.5°	637.8	629.7	625.3	634.0	640.0
55°	566.8	559.2	547.8	557.6	569.0
57.5°	498.5	485.5	473.6	485.0	496.4
60°	436.2	416.2	409.7	416.7	433.5
62.5°	369.6	355.5	353.3	354.4	369.0
65°	308.9	301.3	299.1	298.6	308.9
67.5°	259.0	254.1	251.4	253.6	260.1
70°	216.8	214.6	210.8	214.6	217.8
72.5°	182.1	181.5	178.3	181.5	180.4
75°	149.6	149.6	151.7	150.6	149.6
77.5°	121.9	123.0	126.8	123.6	120.3
80°	94.3	97.0	102.4	97.5	94.8
82.5°	67.2	73.2	79.1	73.2	69.4
85°	41.2	47.1	50.4	47.7	42.3
87.5°	17.9	21.1	22.2	20.6	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)