

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: P738143

Luminaire Tested: **22PT-35-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PL1-L830
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

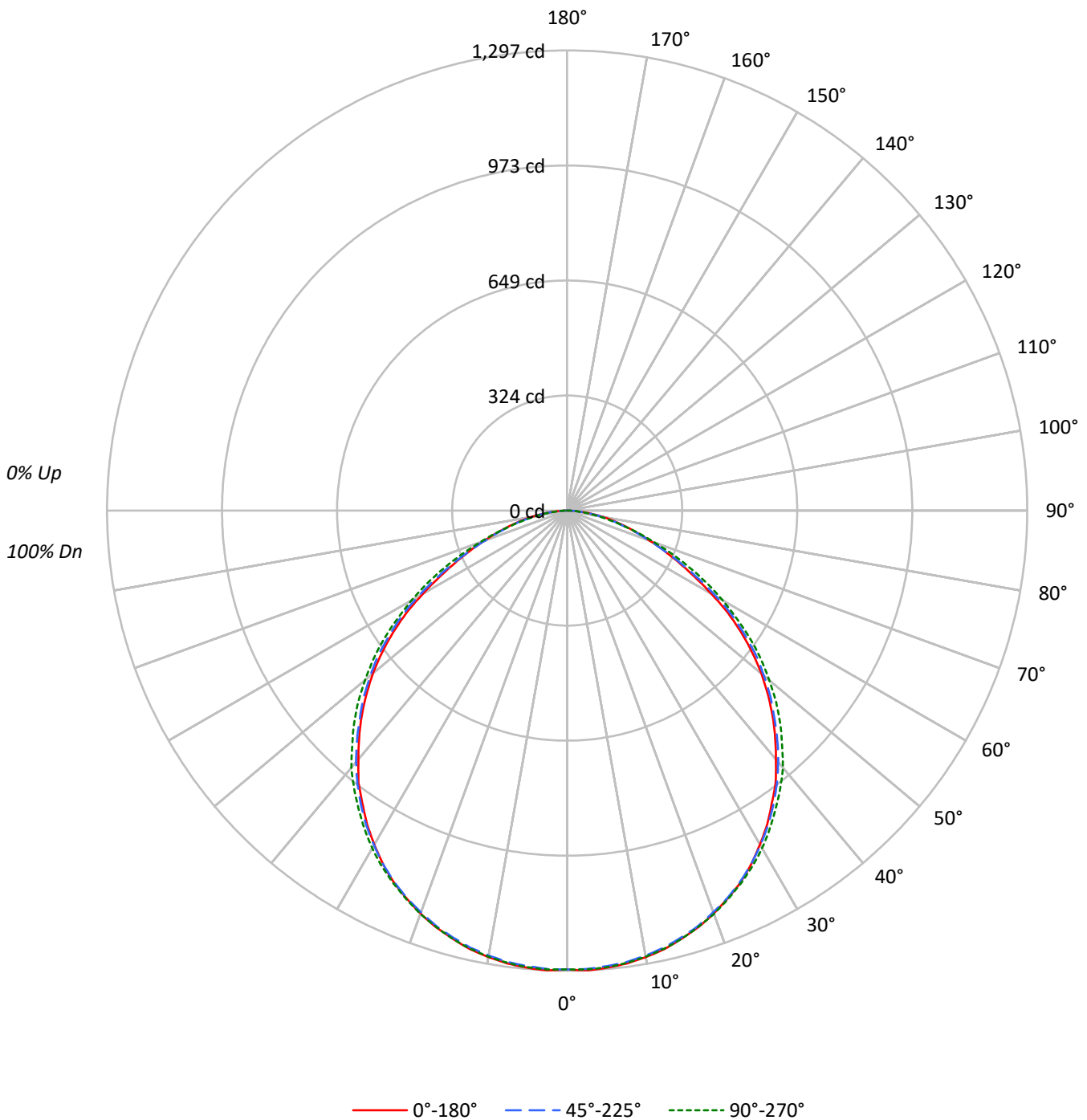
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3408.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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 (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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3790	3790	3790
5°	3805	3790	3800
10°	3801	3789	3798
15°	3788	3777	3790
20°	3769	3757	3772
25°	3739	3731	3747
30°	3677	3684	3719
35°	3599	3624	3667
40°	3501	3540	3620
45°	3394	3423	3520
50°	3259	3299	3388
55°	3060	3122	3219
60°	2752	2845	2966
65°	2411	2460	2645
70°	2117	2098	2233
75°	1903	1824	1829
80°	1708	1616	1441
85°	1355	1335	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	3.6
10°-20°	351.8	10.3
20°-30°	532.1	15.6
30°-40°	634.4	18.6
40°-50°	640.5	18.8
50°-60°	546.4	16.0
60°-70°	359.1	10.5
70°-80°	175.8	5.2
80°-90°	45.3	1.3
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°	1006.5	29.5
0°-40°	1640.9	48.1
0°-60°	2827.8	83.0
0°-90°	3408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1294	1291	1289	1289	1292	123
15°	1249	1247	1245	1246	1249	353
25°	1156	1154	1154	1156	1159	532
35°	1006	1009	1013	1020	1025	630
45°	819	821	826	842	850	631
55°	599	602	611	625	630	533
65°	348	348	355	371	382	348
75°	168	166	161	160	162	180
85°	40	40	40	36	33	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.5	1293.5	1293.5	1293.5	1293.5
2.5°	1297.3	1294.6	1293.0	1291.9	1294.6
5°	1293.5	1290.8	1288.6	1288.6	1291.9
7.5°	1287.5	1284.8	1283.2	1282.6	1285.9
10°	1277.7	1274.4	1273.4	1272.8	1276.6
12.5°	1266.3	1261.4	1261.4	1260.8	1264.7
15°	1248.9	1246.7	1245.1	1245.6	1249.4
17.5°	1230.9	1228.7	1227.7	1227.7	1229.8
20°	1208.6	1205.9	1204.8	1205.9	1209.7
22.5°	1183.0	1181.4	1181.4	1182.5	1185.2
25°	1156.4	1153.6	1154.2	1155.8	1159.1
27.5°	1123.7	1123.2	1123.2	1127.0	1130.8
30°	1086.7	1086.7	1088.9	1094.3	1099.2
32.5°	1049.2	1048.6	1053.0	1057.9	1063.3
35°	1006.2	1008.9	1013.2	1020.3	1025.2
37.5°	965.9	965.4	970.8	983.3	986.6
40°	915.3	919.1	925.6	938.2	946.3
42.5°	868.0	870.7	876.7	891.4	896.8
45°	819.0	821.2	826.1	842.4	849.5
47.5°	767.3	770.0	777.1	790.7	798.8
50°	715.0	718.9	723.7	736.8	743.3
52.5°	657.9	662.8	671.5	683.5	688.4
55°	599.1	602.4	611.1	625.3	630.2
57.5°	537.6	540.4	552.9	563.2	567.0
60°	469.6	472.9	485.4	501.7	506.1
62.5°	405.4	408.1	419.0	438.6	445.1
65°	347.7	347.7	354.8	371.1	381.5
67.5°	296.6	295.5	296.6	309.1	320.0
70°	247.1	247.6	244.9	252.5	260.7
72.5°	206.2	206.2	200.8	201.9	208.4
75°	168.1	166.5	161.1	160.0	161.6
77.5°	134.4	131.7	127.3	124.1	120.3
80°	101.2	99.0	95.8	90.9	85.4
82.5°	70.7	68.6	66.4	63.7	58.2
85°	40.3	40.3	39.7	36.5	32.7
87.5°	16.3	15.8	15.2	14.7	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)