

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: P738144

Luminaire Tested: **22PT-35-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738144
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-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

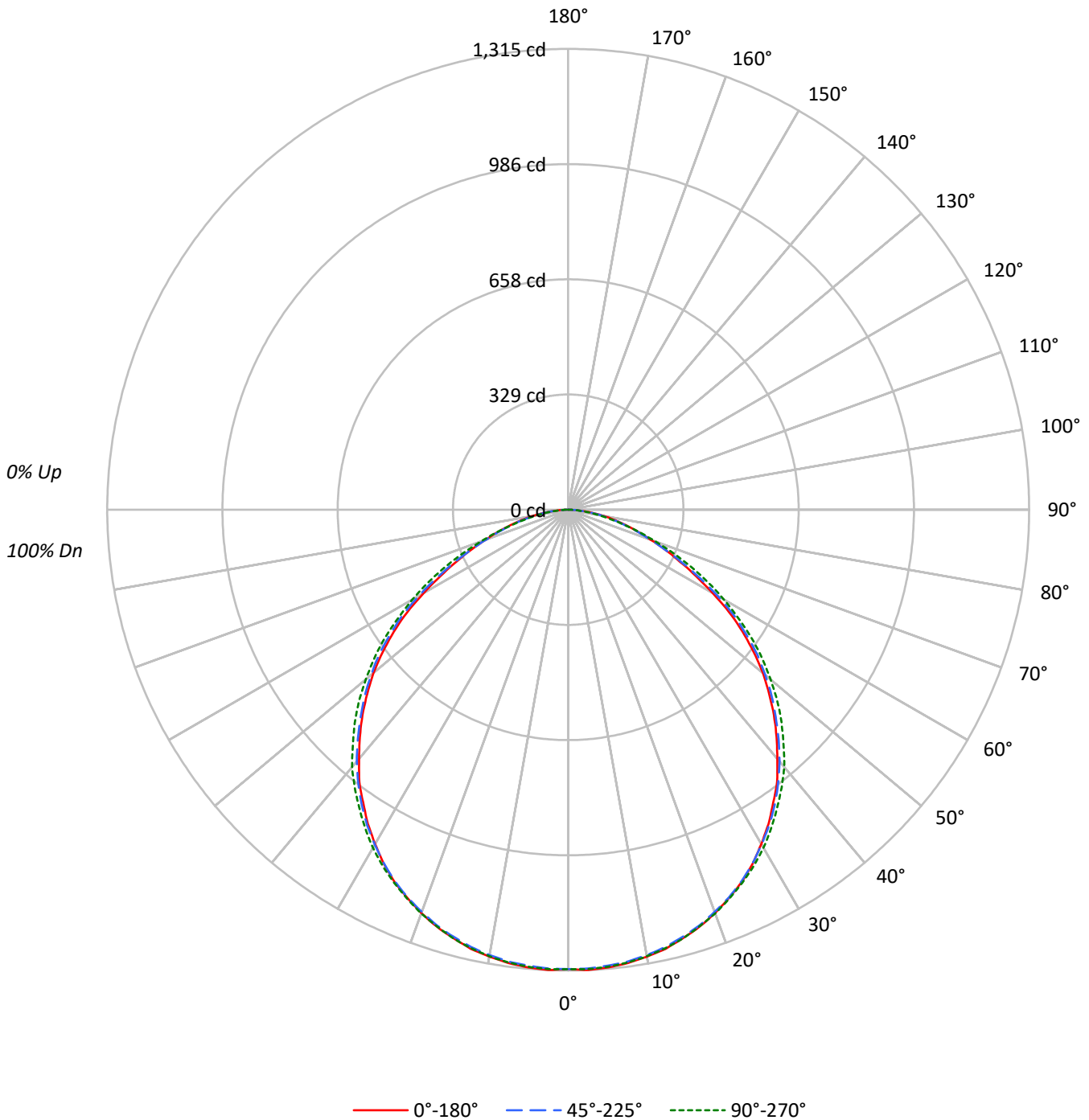
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3454.0 lumens
Efficiency: N/A
Efficacy: 131.3 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°	3841	3841	3841
5°	3856	3841	3851
10°	3853	3840	3850
15°	3839	3828	3841
20°	3819	3808	3823
25°	3789	3782	3798
30°	3726	3734	3769
35°	3648	3673	3717
40°	3548	3588	3668
45°	3439	3469	3567
50°	3303	3344	3434
55°	3102	3164	3263
60°	2789	2883	3006
65°	2443	2493	2680
70°	2145	2126	2263
75°	1929	1848	1854
80°	1731	1638	1461
85°	1372	1355	1113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	3.6
10°-20°	356.5	10.3
20°-30°	539.2	15.6
30°-40°	642.9	18.6
40°-50°	649.2	18.8
50°-60°	553.8	16.0
60°-70°	363.9	10.5
70°-80°	178.2	5.2
80°-90°	45.9	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°	1020.1	29.5
0°-40°	1663.1	48.1
0°-60°	2866.0	83.0
0°-90°	3454.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3454.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1311	1308	1306	1306	1309	125
15°	1266	1264	1262	1262	1266	357
25°	1172	1169	1170	1171	1175	539
35°	1020	1022	1027	1034	1039	638
45°	830	832	837	854	861	639
55°	607	610	619	634	639	541
65°	352	352	360	376	387	353
75°	170	169	163	162	164	182
85°	41	41	40	37	33	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.0	1311.0	1311.0	1311.0	1311.0
2.5°	1314.8	1312.1	1310.4	1309.3	1312.1
5°	1311.0	1308.2	1306.0	1306.0	1309.3
7.5°	1304.9	1302.1	1300.5	1299.9	1303.2
10°	1295.0	1291.7	1290.5	1290.0	1293.9
12.5°	1283.4	1278.4	1278.4	1277.9	1281.7
15°	1265.7	1263.5	1261.9	1262.4	1266.3
17.5°	1247.5	1245.3	1244.2	1244.2	1246.4
20°	1224.9	1222.2	1221.1	1222.2	1226.0
22.5°	1199.0	1197.3	1197.3	1198.4	1201.2
25°	1172.0	1169.2	1169.8	1171.4	1174.7
27.5°	1138.9	1138.3	1138.3	1142.2	1146.1
30°	1101.4	1101.4	1103.6	1109.1	1114.1
32.5°	1063.3	1062.8	1067.2	1072.1	1077.7
35°	1019.8	1022.5	1026.9	1034.1	1039.1
37.5°	978.9	978.4	983.9	996.6	999.9
40°	927.7	931.5	938.1	950.8	959.1
42.5°	879.7	882.4	888.5	903.4	908.9
45°	830.0	832.2	837.2	853.7	860.9
47.5°	777.6	780.4	787.6	801.4	809.6
50°	724.7	728.6	733.5	746.8	753.4
52.5°	666.8	671.7	680.6	692.7	697.7
55°	607.2	610.5	619.4	633.7	638.7
57.5°	544.9	547.7	560.3	570.8	574.7
60°	476.0	479.3	492.0	508.5	512.9
62.5°	410.9	413.6	424.7	444.5	451.1
65°	352.4	352.4	359.6	376.1	386.6
67.5°	300.6	299.5	300.6	313.3	324.3
70°	250.4	250.9	248.2	255.9	264.2
72.5°	209.0	209.0	203.5	204.6	211.2
75°	170.4	168.8	163.2	162.1	163.8
77.5°	136.2	133.5	129.1	125.7	121.9
80°	102.6	100.4	97.1	92.1	86.6
82.5°	71.7	69.5	67.3	64.5	59.0
85°	40.8	40.8	40.3	37.0	33.1
87.5°	16.5	16.0	15.4	14.9	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)