

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: P738128

Luminaire Tested: **22PT-35-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738128
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-L835
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

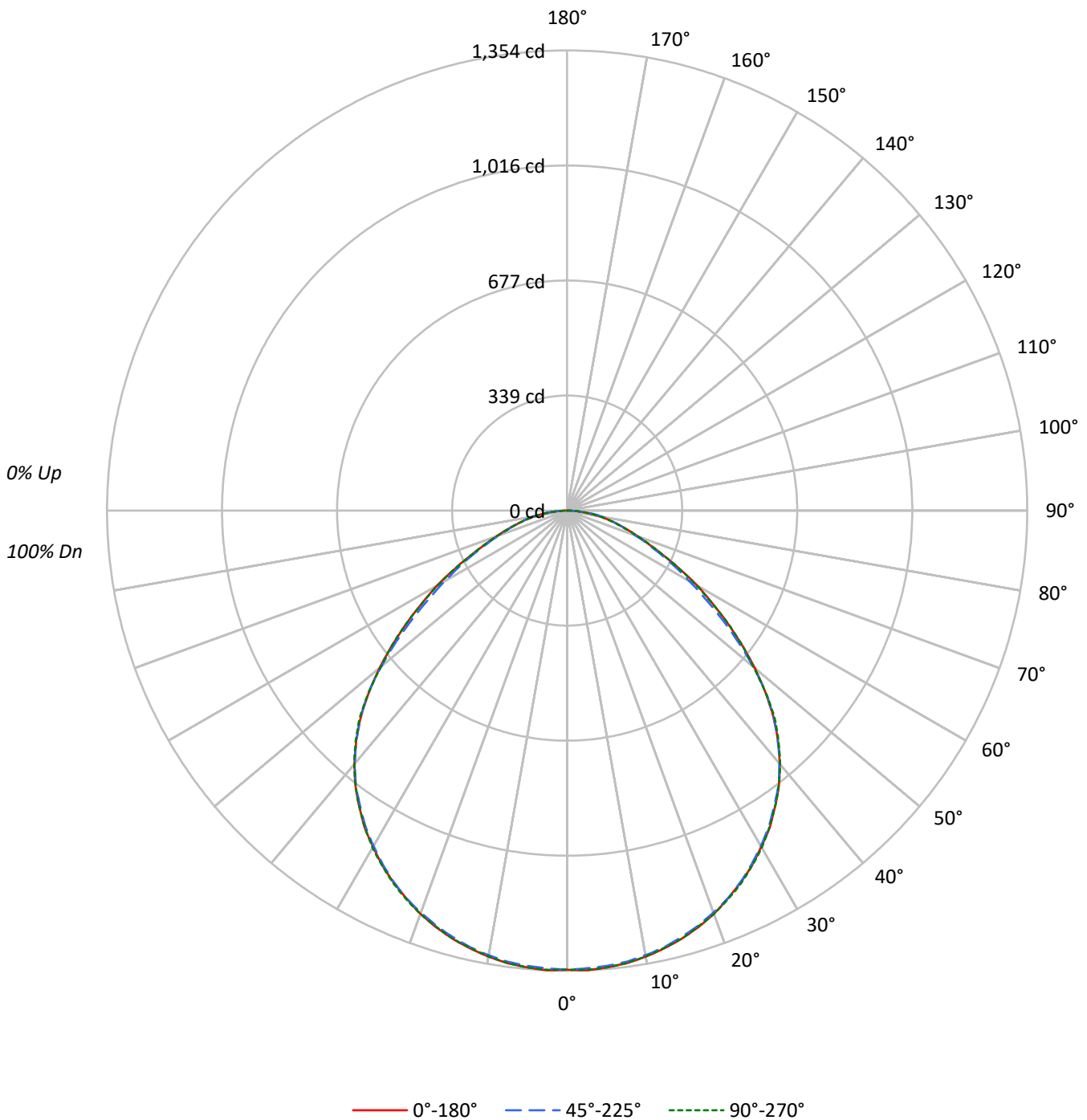
Lumens per Lamp: N/A
Luminaire Lumens: 3406.0 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (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	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°	3958	3958	3958
5°	3968	3956	3968
10°	3965	3952	3964
15°	3956	3941	3955
20°	3937	3924	3938
25°	3904	3901	3913
30°	3864	3855	3876
35°	3813	3799	3813
40°	3724	3716	3728
45°	3557	3564	3577
50°	3284	3256	3262
55°	2934	2836	2946
60°	2591	2433	2574
65°	2170	2101	2170
70°	1882	1830	1892
75°	1716	1741	1716
80°	1613	1751	1622
85°	1402	1718	1439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.8
10°-20°	367.3	10.8
20°-30°	556.2	16.3
30°-40°	665.3	19.5
40°-50°	658.7	19.3
50°-60°	506.4	14.9
60°-70°	308.4	9.1
70°-80°	163.3	4.8
80°-90°	52.3	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°	1051.7	30.9
0°-40°	1717.0	50.4
0°-60°	2882.1	84.6
0°-90°	3406.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3406.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1351	1351	1351	1351	1351	
5°	1349	1349	1345	1347	1349	128
15°	1304	1302	1299	1302	1304	368
25°	1208	1206	1206	1208	1210	556
35°	1066	1065	1062	1065	1066	666
45°	858	859	860	860	863	658
55°	574	567	555	565	577	515
65°	313	305	303	303	313	316
75°	152	152	154	153	152	163
85°	42	48	51	48	43	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.9	1350.9	1350.9	1350.9	1350.9
2.5°	1354.2	1352.0	1348.1	1350.9	1352.5
5°	1349.2	1348.7	1344.9	1347.1	1349.2
7.5°	1343.2	1341.6	1338.8	1341.0	1342.7
10°	1332.8	1331.7	1328.4	1331.1	1332.2
12.5°	1319.6	1318.5	1316.3	1318.5	1317.9
15°	1304.2	1302.0	1299.3	1302.0	1303.7
17.5°	1285.0	1282.8	1280.6	1282.3	1283.4
20°	1262.5	1259.2	1258.6	1260.8	1263.0
22.5°	1235.6	1235.6	1235.0	1236.7	1237.8
25°	1207.6	1206.5	1206.5	1208.1	1210.3
27.5°	1177.4	1175.2	1174.1	1176.8	1178.5
30°	1142.2	1141.7	1139.5	1143.9	1145.5
32.5°	1108.2	1102.7	1103.8	1106.0	1106.5
35°	1065.9	1064.8	1062.0	1065.3	1065.9
37.5°	1023.1	1022.5	1020.9	1022.0	1022.5
40°	973.6	973.1	971.4	973.6	974.7
42.5°	918.7	917.6	917.6	919.3	920.9
45°	858.3	858.9	860.0	860.5	863.3
47.5°	790.8	791.9	793.0	791.9	792.4
50°	720.5	719.9	714.4	718.3	715.5
52.5°	646.3	638.1	633.7	642.5	648.5
55°	574.4	566.7	555.2	565.1	576.6
57.5°	505.2	492.0	480.0	491.5	503.0
60°	442.1	421.7	415.2	422.3	439.3
62.5°	374.5	360.2	358.0	359.1	374.0
65°	313.0	305.3	303.1	302.6	313.0
67.5°	262.5	257.5	254.8	257.0	263.6
70°	219.7	217.5	213.6	217.5	220.8
72.5°	184.5	184.0	180.7	184.0	182.9
75°	151.6	151.6	153.8	152.7	151.6
77.5°	123.6	124.7	128.5	125.2	121.9
80°	95.6	98.3	103.8	98.8	96.1
82.5°	68.1	74.1	80.2	74.1	70.3
85°	41.7	47.8	51.1	48.3	42.8
87.5°	18.1	21.4	22.5	20.9	18.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)