

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: P738130

Luminaire Tested: **22PT-35-PB1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738130  
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-L850  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

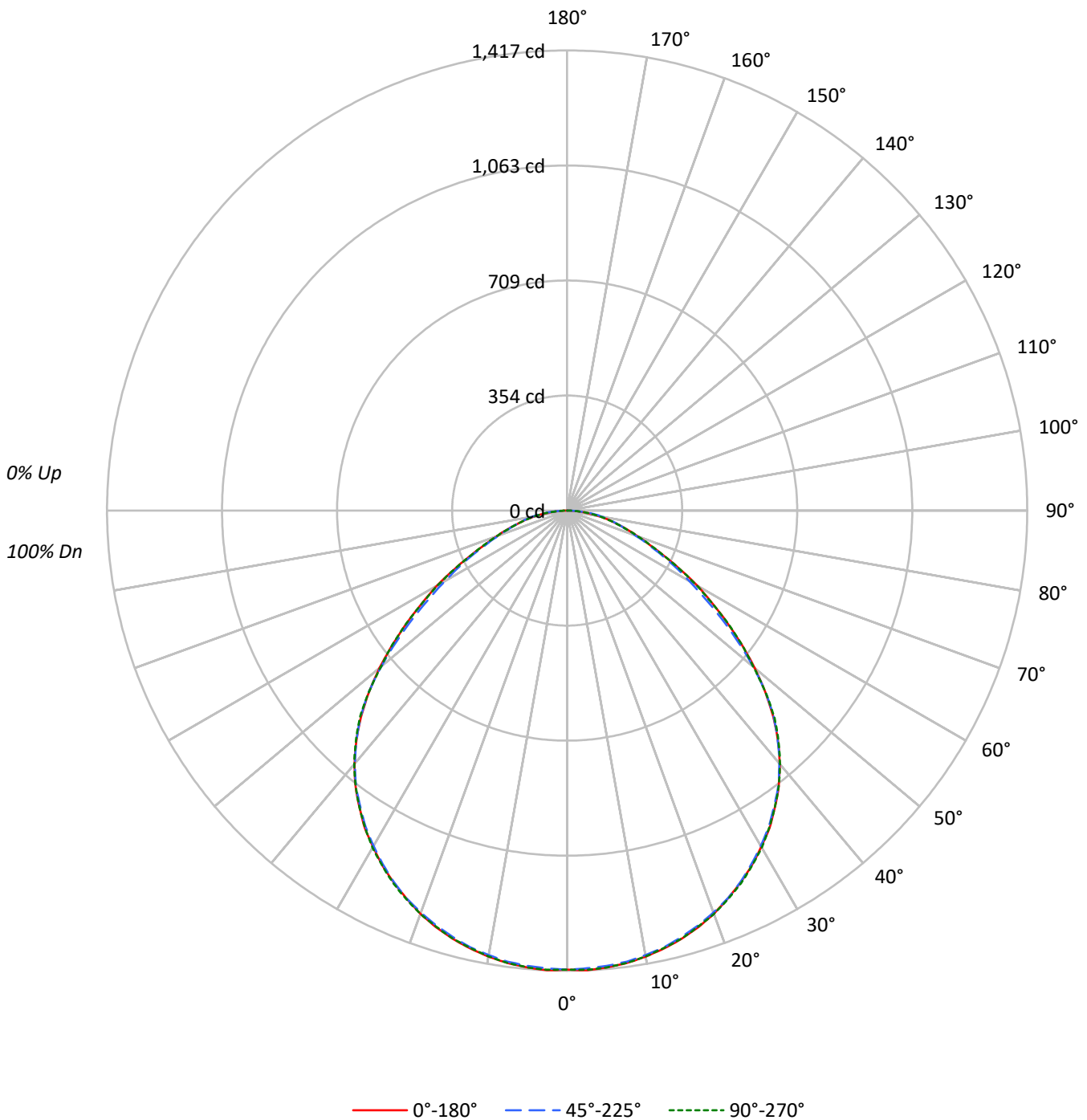
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3564.0 lumens  
Efficiency: N/A  
Efficacy: 135.5 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<sub>in</sub>): 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°	4142	4142	4142
5°	4152	4139	4152
10°	4149	4136	4148
15°	4140	4124	4138
20°	4119	4107	4121
25°	4085	4081	4095
30°	4044	4034	4056
35°	3989	3975	3989
40°	3897	3888	3901
45°	3721	3729	3743
50°	3437	3408	3413
55°	3071	2967	3082
60°	2711	2546	2694
65°	2271	2199	2271
70°	1969	1915	1979
75°	1795	1822	1795
80°	1687	1832	1697
85°	1469	1795	1506



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.0	3.8
10°-20°	384.4	10.8
20°-30°	582.0	16.3
30°-40°	696.1	19.5
40°-50°	689.3	19.3
50°-60°	529.9	14.9
60°-70°	322.7	9.1
70°-80°	170.8	4.8
80°-90°	54.7	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°	1100.5	30.9
0°-40°	1796.6	50.4
0°-60°	3015.8	84.6
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°	1414	1414	1414	1414	1414	
5°	1412	1411	1407	1410	1412	134
15°	1365	1362	1360	1362	1364	385
25°	1264	1262	1262	1264	1266	582
35°	1115	1114	1111	1115	1115	697
45°	898	899	900	900	903	689
55°	601	593	581	591	603	539
65°	328	320	317	317	328	331
75°	159	159	161	160	159	170
85°	44	50	53	51	45	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1413.6	1413.6	1413.6	1413.6	1413.6
2.5°	1417.0	1414.7	1410.7	1413.6	1415.3
5°	1411.8	1411.3	1407.2	1409.5	1411.8
7.5°	1405.5	1403.8	1400.9	1403.2	1404.9
10°	1394.6	1393.4	1390.0	1392.9	1394.0
12.5°	1380.8	1379.7	1377.4	1379.7	1379.1
15°	1364.7	1362.4	1359.5	1362.4	1364.1
17.5°	1344.6	1342.3	1340.0	1341.7	1342.9
20°	1321.0	1317.6	1317.0	1319.3	1321.6
22.5°	1292.9	1292.9	1292.3	1294.0	1295.2
25°	1263.6	1262.4	1262.4	1264.2	1266.5
27.5°	1232.0	1229.7	1228.5	1231.4	1233.1
30°	1195.2	1194.6	1192.3	1196.9	1198.7
32.5°	1159.6	1153.8	1155.0	1157.3	1157.9
35°	1115.3	1114.2	1111.3	1114.8	1115.3
37.5°	1070.5	1069.9	1068.2	1069.4	1069.9
40°	1018.8	1018.2	1016.5	1018.8	1019.9
42.5°	961.3	960.2	960.2	961.9	963.6
45°	898.1	898.7	899.9	900.4	903.3
47.5°	827.5	828.6	829.7	828.6	829.2
50°	753.9	753.3	747.6	751.6	748.7
52.5°	676.3	667.7	663.1	672.3	678.6
55°	601.1	593.0	580.9	591.3	603.3
57.5°	528.6	514.9	502.2	514.3	526.4
60°	462.6	441.3	434.4	441.9	459.7
62.5°	391.9	376.9	374.7	375.8	391.3
65°	327.5	319.5	317.2	316.6	327.5
67.5°	274.7	269.5	266.6	268.9	275.8
70°	229.8	227.5	223.5	227.5	231.0
72.5°	193.1	192.5	189.0	192.5	191.3
75°	158.6	158.6	160.9	159.7	158.6
77.5°	129.3	130.4	134.5	131.0	127.6
80°	100.0	102.9	108.6	103.4	100.6
82.5°	71.3	77.6	83.9	77.6	73.6
85°	43.7	50.0	53.4	50.6	44.8
87.5°	19.0	22.4	23.6	21.8	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)