

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: P738135

Luminaire Tested: **22PT-35-PC3-L830**

Issue Date: 2/8/2024



**Test Information**

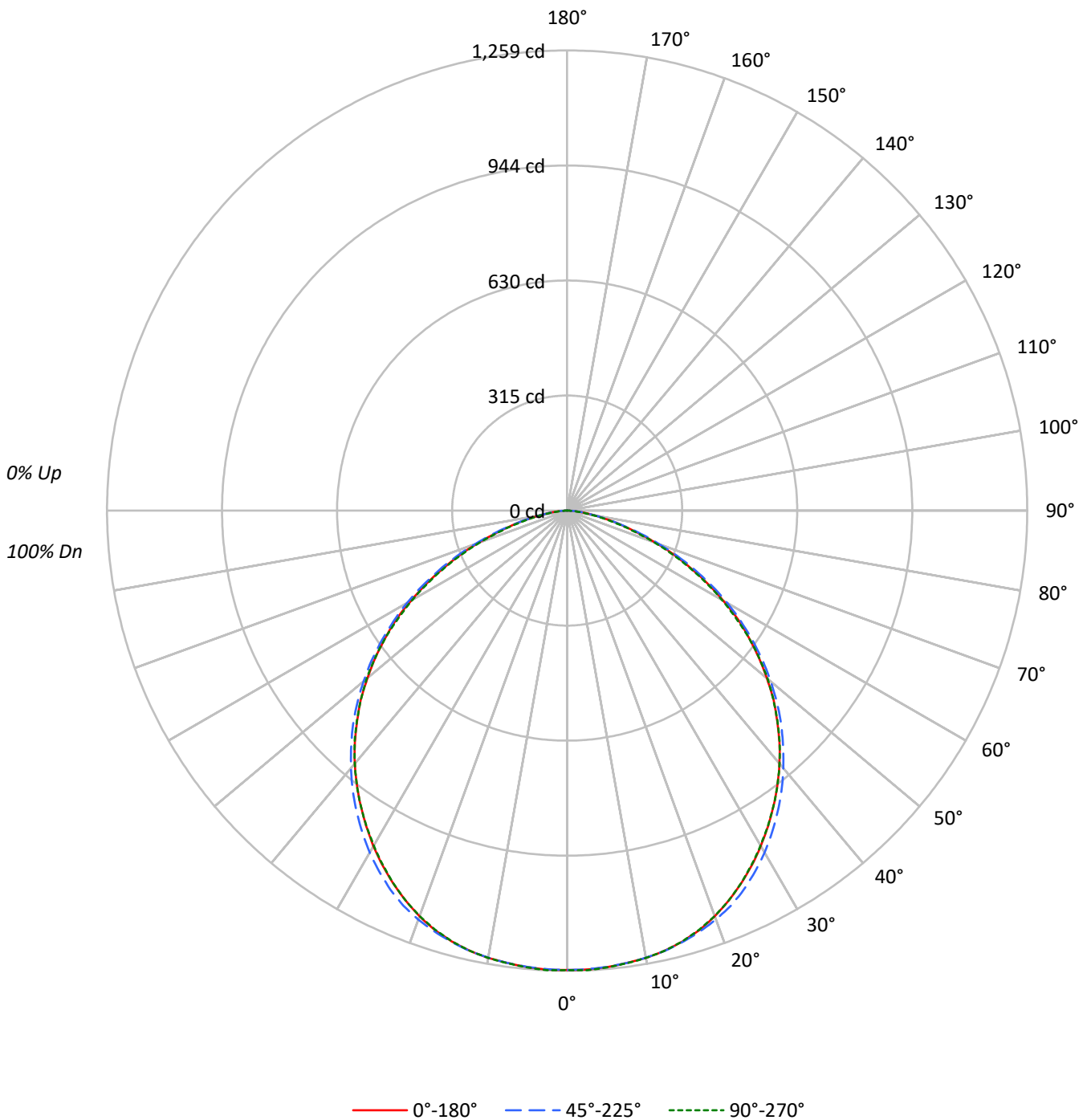
Test Method: LM-79-08  
Report Number: P738135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PC3-L830  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3377.0 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
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	97	107	103	99	96	99	96	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	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3683	3683	3683
5°	3688	3685	3690
10°	3697	3696	3697
15°	3701	3706	3700
20°	3683	3712	3680
25°	3640	3699	3637
30°	3586	3656	3581
35°	3524	3594	3524
40°	3458	3519	3458
45°	3367	3433	3372
50°	3251	3315	3264
55°	3101	3162	3101
60°	2891	2964	2873
65°	2595	2686	2561
70°	2220	2299	2155
75°	1762	1810	1670
80°	1262	1309	1201
85°	834	861	780



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.5
10°-20°	344.5	10.2
20°-30°	522.7	15.5
30°-40°	624.2	18.5
40°-50°	634.8	18.8
50°-60°	549.1	16.3
60°-70°	377.8	11.2
70°-80°	171.5	5.1
80°-90°	33.2	1.0
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°	986.4	29.2
0°-40°	1610.6	47.7
0°-60°	2794.5	82.8
0°-90°	3377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3377.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1257	1257	1257	1257	1257	
5°	1254	1253	1253	1253	1255	119
15°	1220	1221	1222	1220	1220	344
25°	1126	1136	1144	1134	1125	519
35°	985	1003	1005	1001	985	616
45°	812	827	828	828	814	627
55°	607	617	619	618	607	542
65°	374	385	387	384	369	371
75°	156	162	160	158	148	167
85°	25	26	26	25	23	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1257.0	1257.0	1257.0	1257.0	1257.0
2.5°	1257.0	1255.5	1255.8	1256.2	1258.6
5°	1253.9	1252.7	1253.0	1253.0	1254.7
7.5°	1248.6	1248.3	1248.3	1247.8	1249.1
10°	1242.7	1241.9	1242.2	1241.9	1242.7
12.5°	1233.5	1233.5	1233.8	1232.7	1233.5
15°	1220.2	1221.0	1221.8	1219.9	1219.9
17.5°	1203.4	1205.4	1207.5	1203.9	1201.9
20°	1181.1	1185.9	1190.6	1185.0	1180.3
22.5°	1155.1	1163.0	1170.3	1161.5	1155.1
25°	1125.9	1135.9	1144.3	1133.9	1125.1
27.5°	1094.3	1105.5	1113.5	1104.7	1092.7
30°	1060.0	1073.5	1080.7	1072.3	1058.3
32.5°	1023.2	1039.1	1043.5	1038.3	1022.3
35°	985.2	1002.8	1004.8	1001.2	985.2
37.5°	945.6	962.4	964.0	962.0	945.6
40°	904.0	919.6	920.0	920.0	904.0
42.5°	859.7	874.8	874.8	874.4	860.8
45°	812.5	827.3	828.5	827.6	813.7
47.5°	765.7	776.9	778.8	777.2	764.9
50°	713.3	724.9	727.3	725.6	716.1
52.5°	661.3	672.1	674.5	673.3	662.5
55°	607.0	617.3	618.9	617.7	607.0
57.5°	554.6	561.3	562.9	560.6	547.0
60°	493.4	503.0	505.8	503.0	490.2
62.5°	434.3	444.6	447.0	443.0	429.4
65°	374.3	384.6	387.4	384.2	369.4
67.5°	317.5	325.0	327.5	323.9	310.2
70°	259.1	268.7	268.3	263.5	251.5
72.5°	201.5	214.7	212.3	209.5	196.3
75°	155.6	161.5	159.9	158.4	147.5
77.5°	111.1	118.3	114.4	114.7	105.5
80°	74.8	81.5	77.6	75.9	71.2
82.5°	47.6	50.4	49.6	48.8	44.4
85°	24.8	26.4	25.6	24.8	23.2
87.5°	9.6	10.4	9.6	9.6	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)