

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: P738088

Luminaire Tested: **22PT-25-PC3-L835**

Issue Date: 2/8/2024



**Test Information**

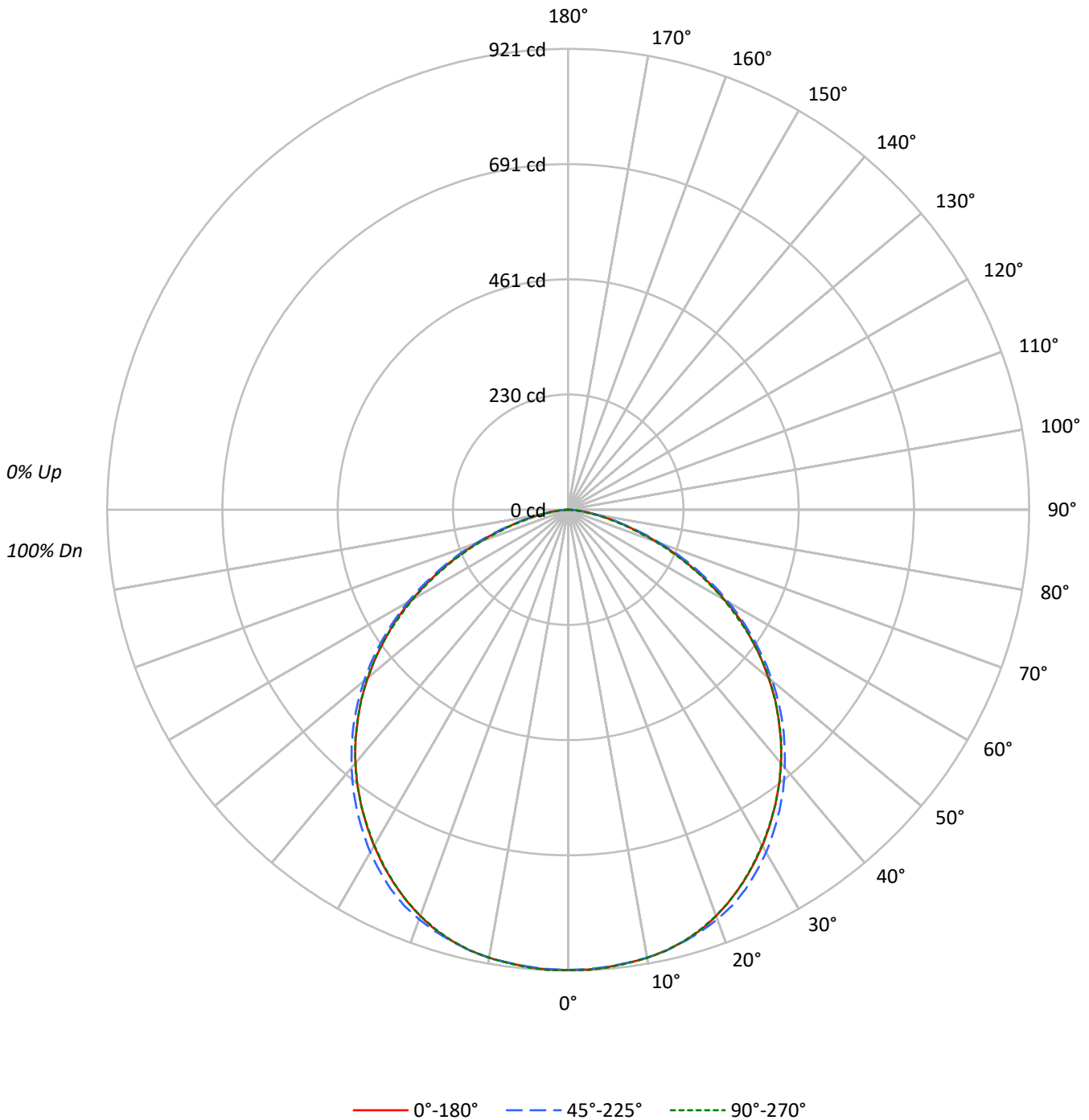
Test Method: LM-79-08  
Report Number: P738088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PC3-L835  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2471.0 lumens  
Efficiency: N/A  
Efficacy: 132.9 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): 18.6  
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°	2695	2695	2695
5°	2699	2697	2700
10°	2705	2705	2705
15°	2709	2712	2708
20°	2695	2716	2693
25°	2664	2707	2662
30°	2624	2676	2620
35°	2579	2630	2579
40°	2530	2575	2530
45°	2463	2512	2467
50°	2379	2426	2389
55°	2269	2313	2269
60°	2116	2169	2102
65°	1899	1966	1874
70°	1624	1682	1576
75°	1288	1325	1222
80°	923	958	879
85°	608	629	572



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	3.5
10°-20°	252.1	10.2
20°-30°	382.4	15.5
30°-40°	456.7	18.5
40°-50°	464.5	18.8
50°-60°	401.8	16.3
60°-70°	276.5	11.2
70°-80°	125.5	5.1
80°-90°	24.3	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°	721.8	29.2
0°-40°	1178.5	47.7
0°-60°	2044.8	82.8
0°-90°	2471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2471.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	920	920	920	920	920	
5°	918	917	917	917	918	87
15°	893	893	894	893	893	252
25°	824	831	837	830	823	379
35°	721	734	735	733	721	451
45°	594	605	606	606	595	458
55°	444	452	453	452	444	397
65°	274	281	284	281	270	272
75°	114	118	117	116	108	122
85°	18	19	19	18	17	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	919.8	919.8	919.8	919.8	919.8
2.5°	919.8	918.6	918.9	919.2	920.9
5°	917.5	916.6	916.8	916.8	918.1
7.5°	913.6	913.4	913.4	913.1	914.0
10°	909.3	908.7	909.0	908.7	909.3
12.5°	902.6	902.6	902.8	902.0	902.6
15°	892.9	893.4	894.0	892.6	892.6
17.5°	880.6	882.0	883.5	880.9	879.4
20°	864.2	867.8	871.2	867.1	863.7
22.5°	845.2	851.0	856.4	849.9	845.2
25°	823.9	831.2	837.3	829.7	823.3
27.5°	800.7	808.9	814.7	808.3	799.6
30°	775.6	785.5	790.8	784.6	774.4
32.5°	748.7	760.3	763.5	759.8	748.0
35°	720.9	733.7	735.2	732.6	720.9
37.5°	691.9	704.2	705.4	703.9	691.9
40°	661.4	672.9	673.2	673.2	661.4
42.5°	629.0	640.1	640.1	639.8	629.9
45°	594.5	605.3	606.2	605.6	595.4
47.5°	560.3	568.5	569.9	568.7	559.7
50°	521.9	530.4	532.2	531.0	524.0
52.5°	483.9	491.8	493.5	492.6	484.8
55°	444.1	451.7	452.8	452.0	444.1
57.5°	405.8	410.7	411.9	410.2	400.2
60°	361.0	368.1	370.1	368.1	358.7
62.5°	317.8	325.3	327.1	324.2	314.2
65°	273.9	281.4	283.5	281.2	270.3
67.5°	232.3	237.8	239.6	237.0	227.0
70°	189.6	196.6	196.3	192.8	184.0
72.5°	147.5	157.1	155.3	153.3	143.6
75°	113.8	118.2	117.0	115.9	107.9
77.5°	81.3	86.6	83.7	84.0	77.2
80°	54.7	59.7	56.8	55.6	52.1
82.5°	34.8	36.8	36.3	35.7	32.5
85°	18.1	19.3	18.7	18.1	17.0
87.5°	7.1	7.6	7.1	7.1	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)