

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: P738123

Luminaire Tested: **22PT-25-PW1-L930**

Issue Date: 2/8/2024



**Test Information**

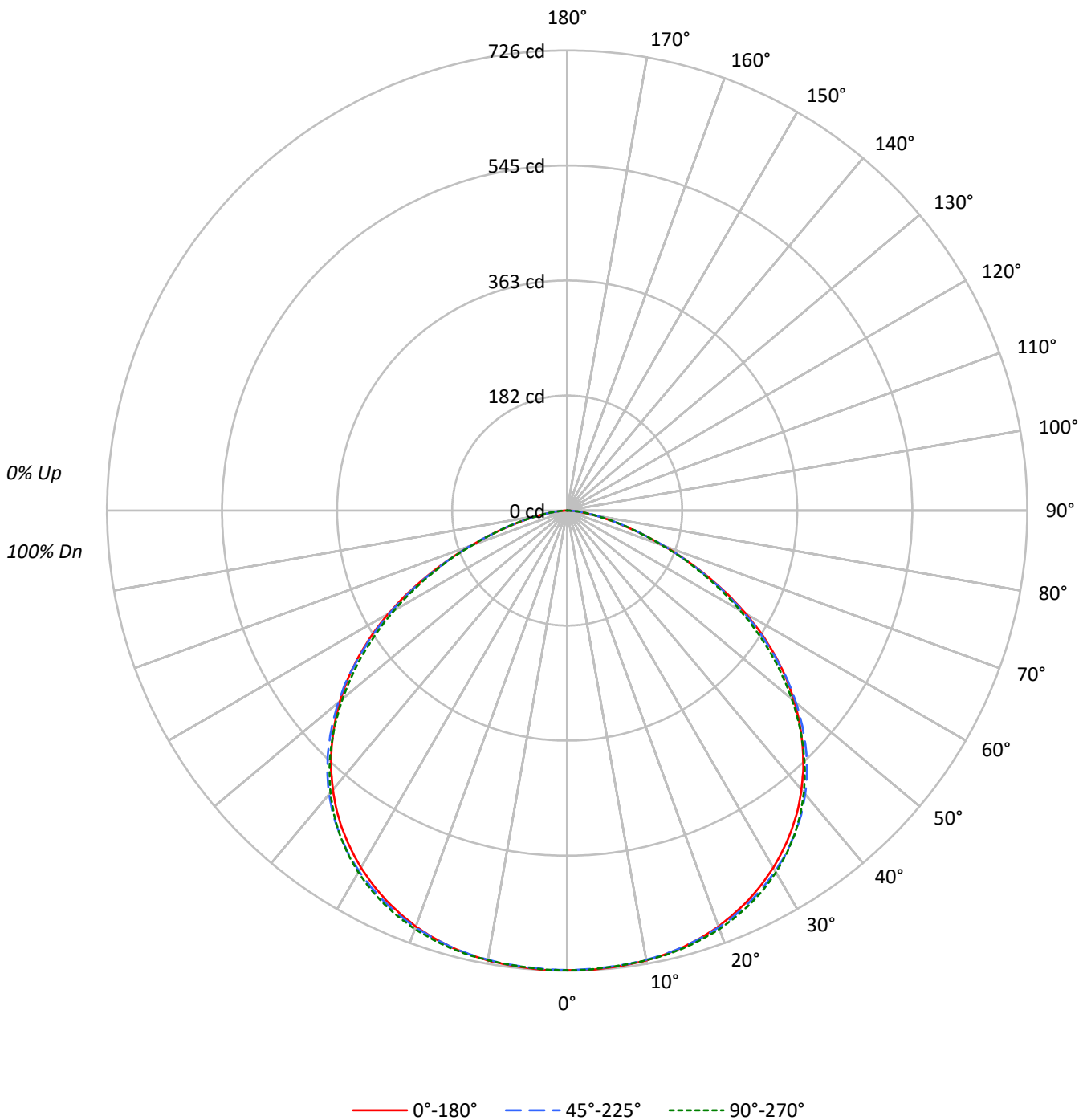
Test Method: LM-79-08  
Report Number: P738123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-25-PW1-L930  
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2096.0 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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 (Ain): 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	99	96	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55		66	60	55		63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	47	42		52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37		48	42	37		47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33		44	38	33		43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

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

	0°	45°	90°
0°	2125	2125	2125
5°	2130	2127	2128
10°	2144	2141	2143
15°	2161	2160	2166
20°	2177	2182	2191
25°	2190	2203	2213
30°	2201	2222	2230
35°	2206	2235	2236
40°	2199	2235	2222
45°	2178	2209	2182
50°	2133	2149	2110
55°	2051	2041	2003
60°	1909	1888	1848
65°	1683	1667	1635
70°	1379	1385	1356
75°	1045	1080	1071
80°	758	786	774
85°	494	514	548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.9	3.3
10°-20°	201.4	9.6
20°-30°	314.0	15.0
30°-40°	389.1	18.6
40°-50°	407.2	19.4
50°-60°	354.8	16.9
60°-70°	237.7	11.3
70°-80°	103.0	4.9
80°-90°	19.8	0.9
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°	584.3	27.9
0°-40°	973.4	46.4
0°-60°	1735.4	82.8
0°-90°	2096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	725	725	725	725	725	
5°	724	724	723	723	724	69
15°	712	711	712	713	714	201
25°	677	678	681	683	684	312
35°	617	619	625	626	625	386
45°	526	528	533	529	527	405
55°	401	401	400	395	392	357
65°	243	242	240	238	236	240
75°	92	94	95	95	95	102
85°	15	16	15	16	16	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	725.1	725.1	725.1	725.1	725.1
2.5°	725.9	724.6	724.3	724.3	725.1
5°	724.3	723.5	723.3	723.0	723.5
7.5°	722.8	721.7	722.0	721.5	722.0
10°	720.7	719.7	719.7	719.7	720.4
12.5°	717.1	716.3	716.6	717.1	718.1
15°	712.4	711.3	712.2	712.9	714.2
17.5°	705.9	705.1	706.4	707.8	708.8
20°	698.2	697.3	699.7	701.6	702.6
22.5°	688.5	688.3	691.4	693.5	694.2
25°	677.4	677.6	681.3	683.4	684.4
27.5°	664.7	665.2	669.9	671.7	672.8
30°	650.5	651.7	656.7	658.2	659.0
32.5°	634.4	636.2	642.2	643.2	643.2
35°	616.8	619.1	624.8	625.6	625.1
37.5°	597.1	599.6	606.1	605.1	604.3
40°	575.0	577.9	584.4	582.3	581.0
42.5°	551.5	554.3	560.0	556.9	555.1
45°	525.6	528.4	533.1	528.7	526.6
47.5°	497.5	500.9	503.3	498.4	495.7
50°	468.0	469.1	471.4	465.7	462.8
52.5°	435.9	435.9	437.7	431.5	428.1
55°	401.4	401.1	399.6	395.2	392.1
57.5°	364.9	363.3	362.3	357.6	354.0
60°	325.8	323.4	322.1	318.3	315.4
62.5°	284.8	283.5	281.9	278.8	275.7
65°	242.8	241.5	240.5	238.2	235.8
67.5°	201.1	200.3	200.3	198.8	198.5
70°	161.0	161.4	161.7	161.7	158.3
72.5°	124.6	124.9	126.2	125.2	124.9
75°	92.3	93.8	95.4	94.6	94.6
77.5°	66.4	68.7	68.7	68.1	67.4
80°	44.9	45.9	46.6	46.4	45.9
82.5°	28.5	29.3	28.5	29.0	29.3
85°	14.7	15.8	15.3	15.6	16.3
87.5°	4.9	5.4	5.7	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)