

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: P738319

Luminaire Tested: **22PT-20-PW1-L830**

Issue Date: 2/8/2024



**Test Information**

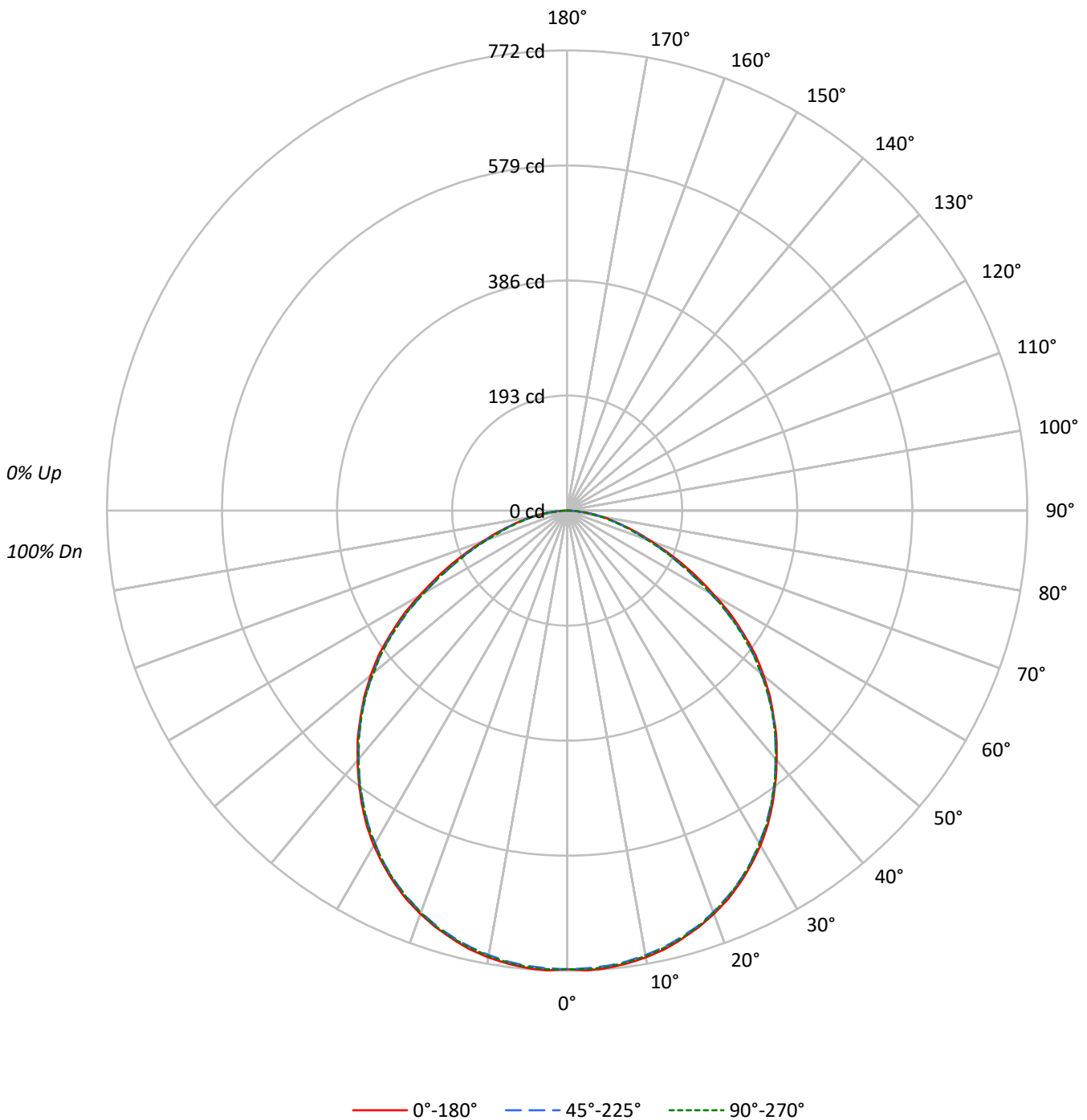
Test Method: LM-79-08  
Report Number: P738319  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PW1-L830  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2004.0 lumens  
Efficiency: N/A  
Efficacy: 135.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.8  
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	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	2255	2255	2255
5°	2266	2256	2260
10°	2264	2253	2258
15°	2257	2247	2252
20°	2245	2235	2239
25°	2225	2215	2218
30°	2195	2181	2184
35°	2149	2137	2138
40°	2091	2081	2082
45°	2031	2024	2021
50°	1961	1939	1934
55°	1847	1823	1813
60°	1677	1629	1632
65°	1491	1421	1421
70°	1278	1231	1222
75°	1108	1085	1060
80°	997	957	938
85°	793	800	756



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	3.6
10°-20°	209.2	10.4
20°-30°	315.7	15.8
30°-40°	373.9	18.7
40°-50°	376.4	18.8
50°-60°	318.2	15.9
60°-70°	206.9	10.3
70°-80°	103.0	5.1
80°-90°	27.8	1.4
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°	597.9	29.8
0°-40°	971.7	48.5
0°-60°	1666.4	83.2
0°-90°	2004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2004.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	770	768	767	766	768	73
15°	744	742	741	740	742	210
25°	688	686	685	684	686	317
35°	601	598	597	597	598	375
45°	490	488	488	488	488	378
55°	362	359	357	355	355	323
65°	215	209	205	204	205	213
75°	98	98	96	93	94	106
85°	24	24	24	24	22	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	769.5	769.5	769.5	769.5	769.5
2.5°	772.1	769.5	768.6	768.2	770.2
5°	770.4	767.5	766.9	766.5	768.4
7.5°	766.5	763.8	763.0	762.7	764.7
10°	761.0	758.4	757.3	756.9	758.8
12.5°	754.0	751.2	750.1	749.7	751.4
15°	744.0	741.6	740.7	740.5	742.5
17.5°	733.1	730.7	730.2	729.6	731.6
20°	720.0	717.6	716.9	716.1	718.0
22.5°	705.6	702.8	701.9	701.2	702.8
25°	688.1	685.7	685.1	684.4	686.0
27.5°	669.0	667.2	666.3	665.7	666.6
30°	648.9	645.8	644.7	644.3	645.6
32.5°	625.8	623.6	622.1	621.8	623.4
35°	600.7	598.1	597.4	597.4	597.8
37.5°	574.1	572.8	571.7	571.0	572.3
40°	546.8	546.4	544.0	543.8	544.4
42.5°	520.0	518.2	516.5	517.4	517.8
45°	490.1	488.4	488.4	487.7	487.7
47.5°	461.3	459.6	457.2	457.4	457.8
50°	430.1	427.9	425.3	426.8	424.2
52.5°	398.3	394.3	392.4	392.4	392.2
55°	361.6	358.6	356.8	355.3	354.9
57.5°	326.3	321.7	317.4	317.8	319.3
60°	286.2	284.0	277.9	278.3	278.5
62.5°	250.0	245.8	239.5	239.5	241.7
65°	215.1	209.2	205.0	203.5	205.0
67.5°	180.8	177.5	174.1	171.7	173.8
70°	149.2	147.4	143.7	141.3	142.6
72.5°	123.5	121.1	118.0	116.7	115.4
75°	97.9	97.9	95.8	93.1	93.6
77.5°	77.2	76.6	75.0	73.9	73.9
80°	59.1	58.5	56.7	56.3	55.6
82.5°	40.8	41.0	40.1	39.5	38.6
85°	23.6	24.0	23.8	23.8	22.5
87.5°	10.0	9.2	9.8	9.6	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)