

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: P738048

Luminaire Tested: **22PT-20-PL1-L835**

Issue Date: 2/8/2024



**Test Information**

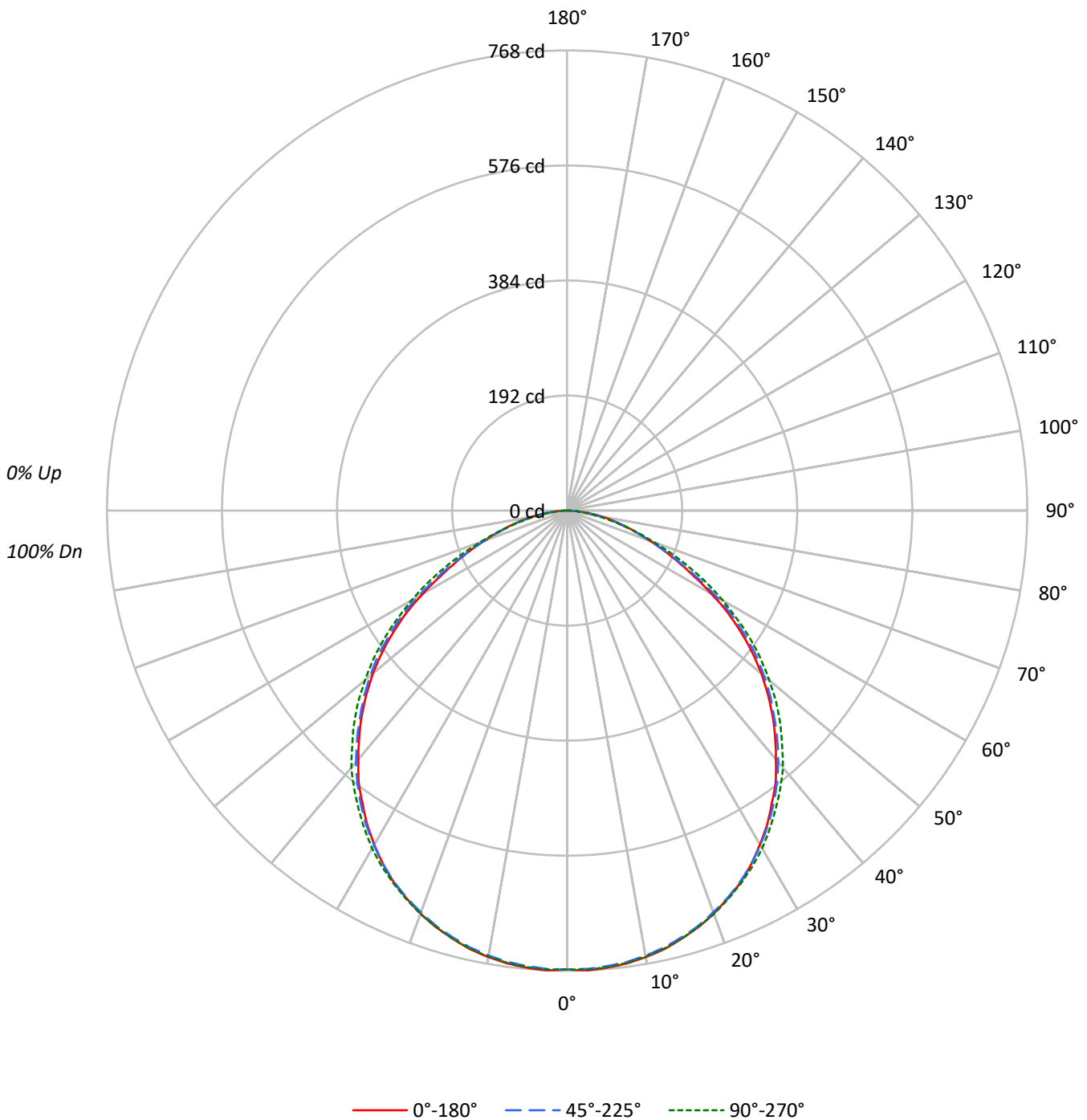
Test Method: LM-79-08  
Report Number: P738048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PL1-L835  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2018.0 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	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°	2244	2244	2244
5°	2253	2244	2250
10°	2251	2243	2249
15°	2243	2236	2244
20°	2232	2224	2234
25°	2214	2209	2219
30°	2177	2182	2202
35°	2131	2146	2172
40°	2073	2096	2143
45°	2009	2027	2084
50°	1930	1954	2007
55°	1812	1849	1906
60°	1630	1684	1756
65°	1428	1457	1566
70°	1253	1242	1322
75°	1128	1080	1083
80°	1011	957	854
85°	800	790	649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.6	3.6
10°-20°	208.3	10.3
20°-30°	315.0	15.6
30°-40°	375.6	18.6
40°-50°	379.3	18.8
50°-60°	323.6	16.0
60°-70°	212.6	10.5
70°-80°	104.1	5.2
80°-90°	26.8	1.3
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°	596.0	29.5
0°-40°	971.6	48.1
0°-60°	1674.5	83.0
0°-90°	2018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2018.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	766	766	766	766	766	
5°	766	764	763	763	765	73
15°	740	738	737	738	740	209
25°	685	683	683	684	686	315
35°	596	597	600	604	607	373
45°	485	486	489	499	503	374
55°	355	357	362	370	373	316
65°	206	206	210	220	226	206
75°	100	99	95	95	96	107
85°	24	24	24	22	19	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	765.9	765.9	765.9	765.9	765.9
2.5°	768.2	766.6	765.6	765.0	766.6
5°	765.9	764.3	763.0	763.0	765.0
7.5°	762.4	760.8	759.8	759.5	761.4
10°	756.6	754.6	754.0	753.7	755.9
12.5°	749.8	746.9	746.9	746.6	748.8
15°	739.5	738.2	737.2	737.6	739.8
17.5°	728.9	727.6	726.9	726.9	728.2
20°	715.7	714.0	713.4	714.0	716.3
22.5°	700.5	699.5	699.5	700.2	701.8
25°	684.7	683.1	683.4	684.4	686.3
27.5°	665.4	665.1	665.1	667.3	669.6
30°	643.5	643.5	644.8	648.0	650.9
32.5°	621.2	620.9	623.5	626.4	629.6
35°	595.8	597.4	600.0	604.2	607.1
37.5°	571.9	571.6	574.8	582.3	584.2
40°	542.0	544.2	548.1	555.5	560.3
42.5°	513.9	515.6	519.1	527.8	531.0
45°	484.9	486.2	489.1	498.8	503.0
47.5°	454.3	455.9	460.1	468.2	473.0
50°	423.4	425.7	428.6	436.3	440.2
52.5°	389.6	392.5	397.6	404.7	407.6
55°	354.8	356.7	361.9	370.2	373.1
57.5°	318.4	320.0	327.4	333.5	335.8
60°	278.1	280.0	287.4	297.1	299.7
62.5°	240.1	241.7	248.1	259.7	263.6
65°	205.9	205.9	210.1	219.8	225.9
67.5°	175.6	175.0	175.6	183.0	189.5
70°	146.3	146.6	145.0	149.5	154.3
72.5°	122.1	122.1	118.9	119.5	123.4
75°	99.6	98.6	95.4	94.7	95.7
77.5°	79.6	78.0	75.4	73.5	71.2
80°	59.9	58.6	56.7	53.8	50.6
82.5°	41.9	40.6	39.3	37.7	34.5
85°	23.8	23.8	23.5	21.6	19.3
87.5°	9.7	9.3	9.0	8.7	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)