

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: P738072

Luminaire Tested: **22PT-20-PW1-L835**

Issue Date: 2/8/2024



**Test Information**

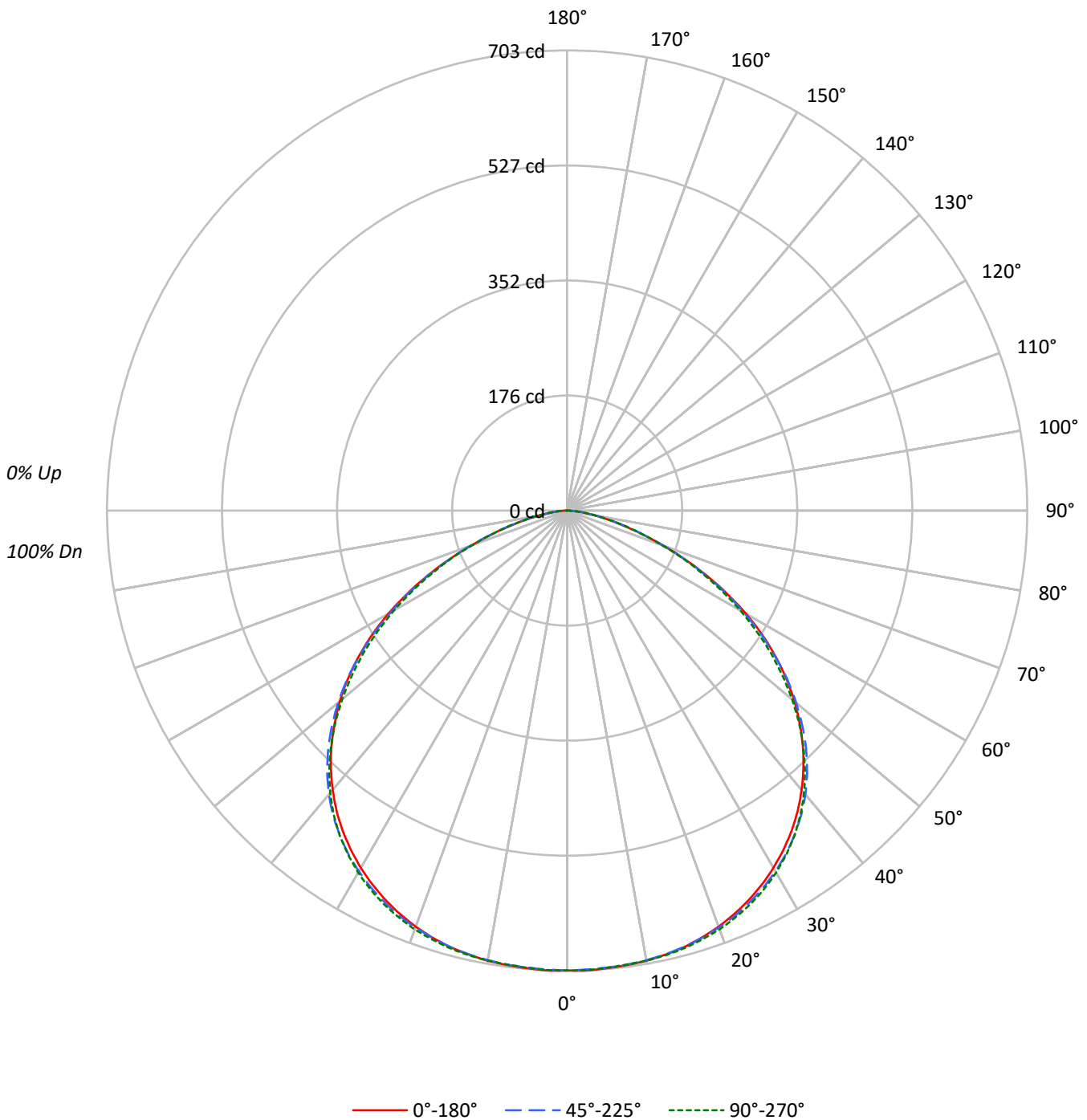
Test Method: LM-79-08  
Report Number: P738072  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PW1-L835  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2031.0 lumens  
Efficiency: N/A  
Efficacy: 137.2 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): 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

TEST NUMBER: P738072  
CATALOG NUMBER: 22PT-20-PW1-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P738072

CATALOG NUMBER: 22PT-20-PW1-L835

**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	83	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°	2059	2059	2059
5°	2064	2061	2062
10°	2078	2075	2077
15°	2094	2093	2099
20°	2109	2114	2123
25°	2122	2134	2144
30°	2133	2153	2161
35°	2138	2165	2167
40°	2131	2166	2153
45°	2110	2141	2115
50°	2067	2082	2044
55°	1987	1978	1941
60°	1850	1829	1791
65°	1631	1615	1584
70°	1336	1342	1314
75°	1012	1046	1038
80°	734	763	751
85°	481	498	531



TEST NUMBER: P738072

CATALOG NUMBER: 22PT-20-PW1-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.8	3.3
10°-20°	195.1	9.6
20°-30°	304.2	15.0
30°-40°	377.1	18.6
40°-50°	394.6	19.4
50°-60°	343.8	16.9
60°-70°	230.3	11.3
70°-80°	99.8	4.9
80°-90°	19.2	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°	566.2	27.9
0°-40°	943.2	46.4
0°-60°	1681.6	82.8
0°-90°	2031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	703	703	703	703	703	
5°	702	701	701	701	701	67
15°	690	689	690	691	692	195
25°	656	657	660	662	663	303
35°	598	600	605	606	606	374
45°	509	512	517	512	510	392
55°	389	389	387	383	380	346
65°	235	234	233	231	228	233
75°	89	91	92	92	92	99
85°	14	15	15	15	16	19
90°	0	0	0	0	0	



TEST NUMBER: P738072

CATALOG NUMBER: 22PT-20-PW1-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	702.6	702.6	702.6	702.6	702.6
2.5°	703.4	702.1	701.8	701.8	702.6
5°	701.8	701.1	700.8	700.6	701.1
7.5°	700.4	699.4	699.6	699.1	699.6
10°	698.4	697.4	697.4	697.4	698.1
12.5°	694.8	694.1	694.3	694.8	695.8
15°	690.3	689.3	690.1	690.8	692.1
17.5°	684.0	683.3	684.5	685.8	686.8
20°	676.5	675.7	678.0	679.8	680.8
22.5°	667.2	667.0	670.0	672.0	672.7
25°	656.4	656.6	660.2	662.2	663.2
27.5°	644.1	644.6	649.2	650.9	651.9
30°	630.3	631.5	636.3	637.8	638.6
32.5°	614.7	616.5	622.2	623.2	623.2
35°	597.7	599.9	605.4	606.2	605.7
37.5°	578.6	581.1	587.3	586.3	585.6
40°	557.2	560.0	566.2	564.2	563.0
42.5°	534.4	537.1	542.7	539.7	537.9
45°	509.3	512.0	516.6	512.3	510.3
47.5°	482.1	485.4	487.6	482.9	480.4
50°	453.5	454.5	456.8	451.3	448.5
52.5°	422.4	422.4	424.2	418.1	414.8
55°	389.0	388.7	387.2	383.0	380.0
57.5°	353.6	352.0	351.0	346.5	343.0
60°	315.7	313.4	312.1	308.4	305.6
62.5°	276.0	274.7	273.2	270.2	267.2
65°	235.3	234.0	233.0	230.8	228.5
67.5°	194.9	194.1	194.1	192.6	192.3
70°	156.0	156.4	156.7	156.7	153.4
72.5°	120.8	121.0	122.3	121.3	121.0
75°	89.4	90.9	92.4	91.7	91.7
77.5°	64.3	66.6	66.6	66.0	65.3
80°	43.5	44.5	45.2	44.9	44.5
82.5°	27.6	28.4	27.6	28.1	28.4
85°	14.3	15.3	14.8	15.1	15.8
87.5°	4.7	5.3	5.5	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)