

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: P738063

Luminaire Tested: **22PT-20-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

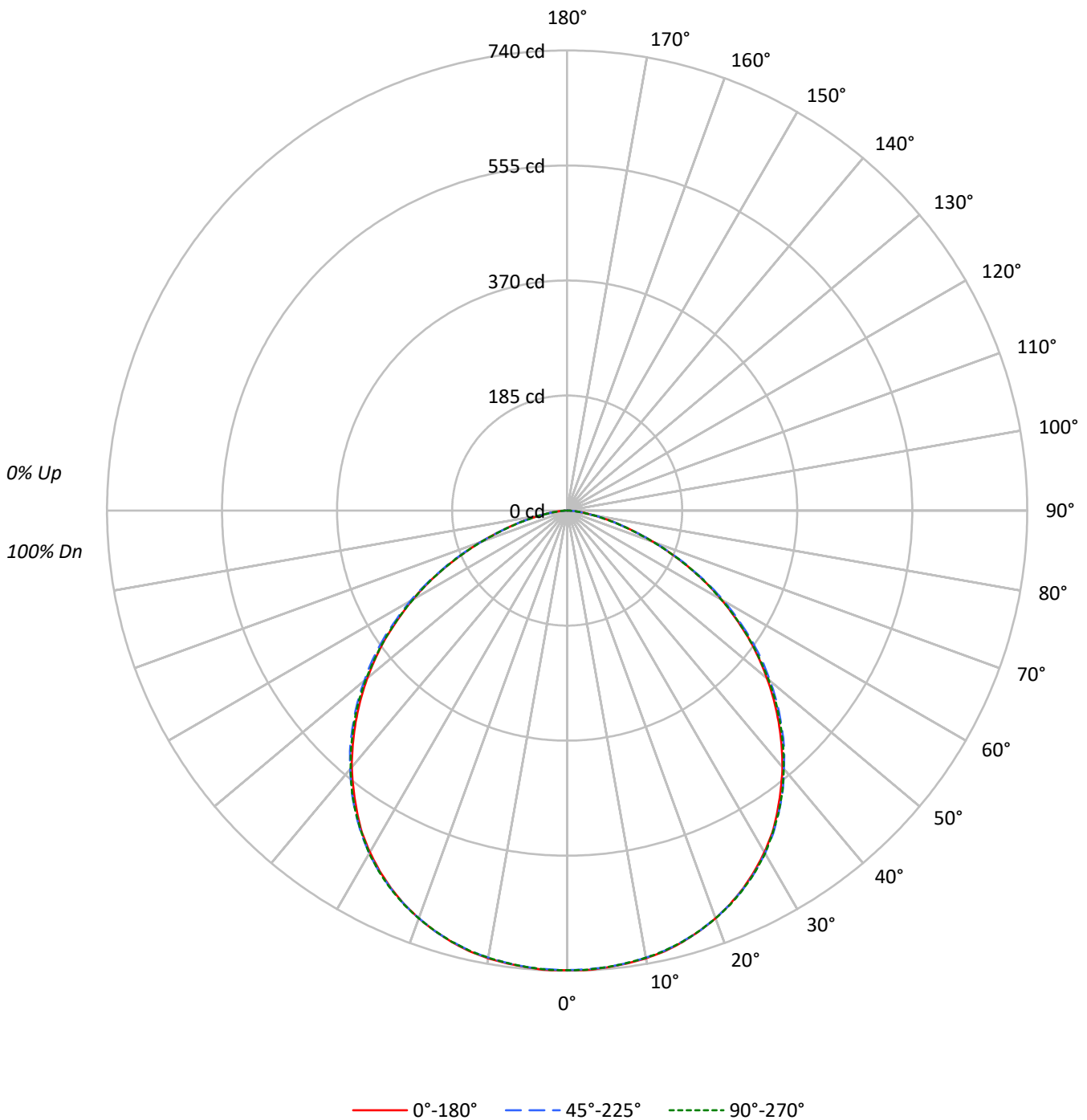
Test Method: LM-79-08  
Report Number: P738063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PR1-L830  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1975.0 lumens  
Efficiency: N/A  
Efficacy: 133.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	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	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
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°	2166	2166	2166
5°	2169	2167	2167
10°	2176	2173	2173
15°	2178	2176	2177
20°	2175	2175	2176
25°	2166	2168	2170
30°	2146	2153	2154
35°	2110	2122	2121
40°	2061	2075	2072
45°	1993	2019	2008
50°	1913	1942	1926
55°	1816	1844	1818
60°	1683	1706	1677
65°	1502	1517	1500
70°	1263	1263	1255
75°	989	989	979
80°	726	717	714
85°	474	474	481



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.1	3.6
10°-20°	202.5	10.3
20°-30°	309.0	15.6
30°-40°	370.3	18.7
40°-50°	373.9	18.9
50°-60°	320.0	16.2
60°-70°	215.8	10.9
70°-80°	95.2	4.8
80°-90°	18.3	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°	581.6	29.4
0°-40°	951.9	48.2
0°-60°	1645.8	83.3
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	737	736	737	736	737	70
15°	718	718	717	717	718	203
25°	670	671	671	671	671	309
35°	590	593	593	593	593	369
45°	481	485	487	486	485	371
55°	355	359	361	360	356	317
65°	217	218	219	218	216	214
75°	87	88	87	88	86	95
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	739.1	739.1	739.1	739.1	739.1
2.5°	739.6	738.6	738.3	738.1	739.1
5°	737.4	736.4	736.9	736.4	736.9
7.5°	734.7	733.7	734.0	733.4	734.0
10°	731.2	730.2	730.2	729.7	730.2
12.5°	725.7	725.1	724.8	724.3	725.1
15°	718.1	717.9	717.4	717.1	717.6
17.5°	708.8	708.3	708.8	708.0	708.5
20°	697.6	697.9	697.4	697.6	697.9
22.5°	685.0	685.0	685.3	685.3	685.8
25°	670.0	670.7	670.7	670.7	671.2
27.5°	653.2	654.2	654.9	654.4	654.9
30°	634.4	636.2	636.4	636.2	636.6
32.5°	614.2	615.4	616.1	615.6	615.1
35°	589.9	593.4	593.2	592.6	592.9
37.5°	564.5	568.0	569.2	568.2	568.5
40°	538.8	541.8	542.5	542.8	541.8
42.5°	510.4	513.9	516.6	515.4	513.9
45°	481.0	484.7	487.2	486.5	484.7
47.5°	450.7	454.1	457.6	456.3	454.7
50°	419.6	423.0	426.0	425.5	422.5
52.5°	387.7	391.7	394.4	393.4	389.4
55°	355.4	358.6	361.0	360.5	355.9
57.5°	320.3	324.5	325.7	325.0	321.6
60°	287.2	290.0	291.1	290.2	286.2
62.5°	251.9	254.1	255.1	254.9	252.1
65°	216.6	218.3	218.8	218.3	216.3
67.5°	180.3	182.7	183.0	183.0	181.0
70°	147.4	148.1	147.4	149.4	146.5
72.5°	115.6	116.0	115.6	115.6	114.3
75°	87.4	87.6	87.4	87.6	86.5
77.5°	63.2	63.7	62.7	63.5	62.2
80°	43.0	43.0	42.5	42.7	42.3
82.5°	26.7	27.2	26.5	26.5	26.2
85°	14.1	14.1	14.1	14.3	14.3
87.5°	4.9	4.9	5.2	5.2	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)