

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: P738320

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738320
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-L835
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

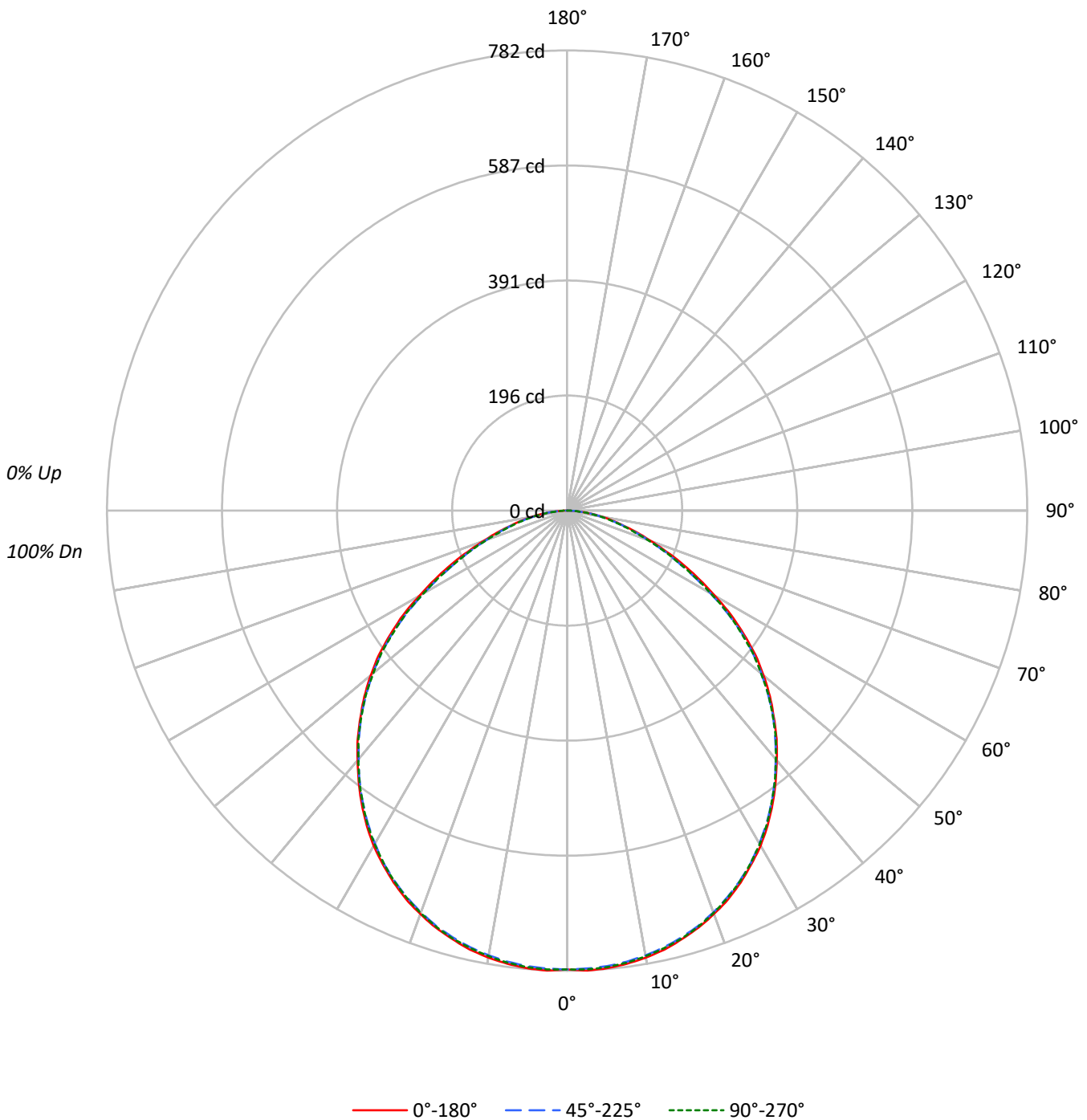
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2031.0 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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 (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	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°	2285	2285	2285
5°	2297	2286	2291
10°	2295	2284	2288
15°	2287	2277	2283
20°	2275	2266	2269
25°	2255	2245	2248
30°	2225	2211	2214
35°	2178	2166	2167
40°	2120	2109	2110
45°	2058	2051	2048
50°	1987	1965	1960
55°	1872	1847	1837
60°	1699	1650	1654
65°	1511	1441	1441
70°	1295	1248	1239
75°	1124	1098	1073
80°	1011	970	952
85°	803	810	767



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.6
10°-20°	212.1	10.4
20°-30°	319.9	15.8
30°-40°	378.9	18.7
40°-50°	381.4	18.8
50°-60°	322.5	15.9
60°-70°	209.7	10.3
70°-80°	104.4	5.1
80°-90°	28.1	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°	605.9	29.8
0°-40°	984.8	48.5
0°-60°	1688.8	83.2
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°	780	780	780	780	780	
5°	781	778	777	777	779	74
15°	754	752	751	750	752	213
25°	697	695	694	694	695	321
35°	609	606	606	606	606	380
45°	497	495	495	494	494	383
55°	366	363	362	360	360	327
65°	218	212	208	206	208	216
75°	99	99	97	94	95	108
85°	24	24	24	24	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.9	779.9	779.9	779.9	779.9
2.5°	782.5	779.9	779.0	778.5	780.5
5°	780.8	777.9	777.2	776.8	778.8
7.5°	776.8	774.1	773.2	773.0	775.0
10°	771.3	768.6	767.5	767.1	769.0
12.5°	764.2	761.3	760.2	759.8	761.5
15°	754.0	751.6	750.7	750.5	752.5
17.5°	743.0	740.5	740.1	739.4	741.4
20°	729.7	727.3	726.6	725.7	727.7
22.5°	715.1	712.2	711.3	710.7	712.2
25°	697.4	695.0	694.3	693.7	695.2
27.5°	678.0	676.2	675.3	674.7	675.5
30°	657.6	654.5	653.4	653.0	654.3
32.5°	634.2	632.0	630.4	630.2	631.8
35°	608.8	606.1	605.5	605.5	605.9
37.5°	581.8	580.5	579.4	578.7	580.0
40°	554.2	553.7	551.3	551.1	551.7
42.5°	527.0	525.2	523.5	524.3	524.8
45°	496.7	494.9	494.9	494.3	494.3
47.5°	467.5	465.8	463.3	463.5	464.0
50°	435.9	433.7	431.1	432.6	429.9
52.5°	403.6	399.7	397.7	397.7	397.5
55°	366.5	363.4	361.6	360.1	359.7
57.5°	330.7	326.1	321.6	322.1	323.6
60°	290.0	287.8	281.6	282.1	282.3
62.5°	253.3	249.1	242.7	242.7	244.9
65°	218.0	212.0	207.8	206.2	207.8
67.5°	183.3	179.9	176.4	174.0	176.2
70°	151.2	149.4	145.7	143.2	144.6
72.5°	125.1	122.7	119.6	118.3	116.9
75°	99.3	99.3	97.0	94.4	94.8
77.5°	78.3	77.6	76.0	74.9	74.9
80°	59.9	59.2	57.5	57.0	56.4
82.5°	41.3	41.6	40.7	40.0	39.1
85°	23.9	24.3	24.1	24.1	22.8
87.5°	10.2	9.3	9.9	9.7	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)