

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: P738324

Luminaire Tested: **22PT-20-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738324
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-L935
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

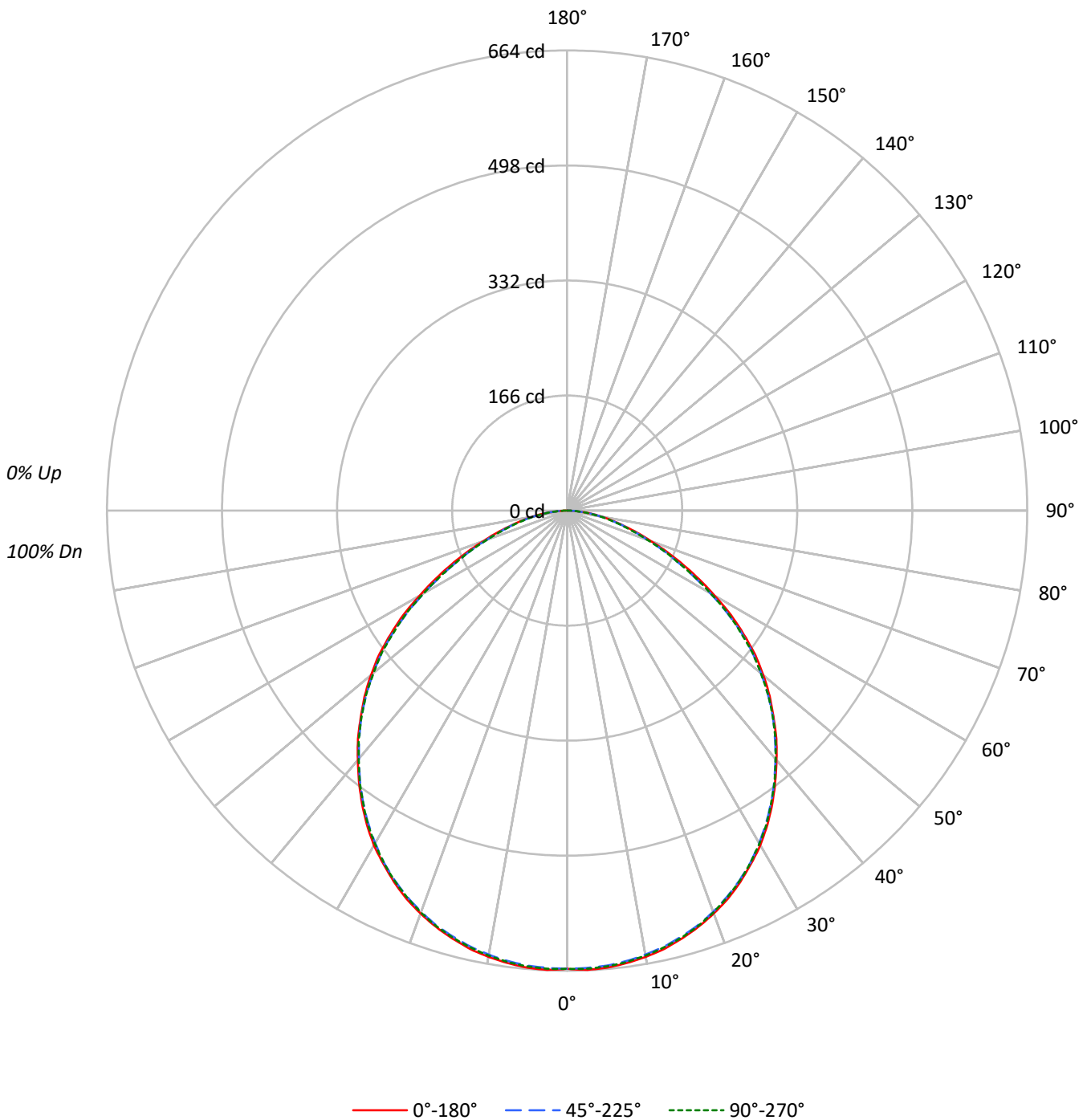
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1722.0 lumens
Efficiency: N/A
Efficacy: 116.4 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_{in}): 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°	1937	1937	1937
5°	1947	1938	1942
10°	1946	1936	1940
15°	1939	1931	1935
20°	1929	1921	1924
25°	1912	1903	1906
30°	1887	1874	1877
35°	1846	1836	1837
40°	1797	1788	1789
45°	1745	1739	1737
50°	1685	1666	1662
55°	1587	1566	1558
60°	1441	1399	1402
65°	1281	1222	1222
70°	1098	1058	1050
75°	953	932	910
80°	857	822	807
85°	679	686	649



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	3.6
10°-20°	179.8	10.4
20°-30°	271.2	15.8
30°-40°	321.3	18.7
40°-50°	323.4	18.8
50°-60°	273.5	15.9
60°-70°	177.8	10.3
70°-80°	88.5	5.1
80°-90°	23.8	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°	513.7	29.8
0°-40°	835.0	48.5
0°-60°	1431.8	83.2
0°-90°	1722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	662	660	659	659	660	63
15°	639	637	636	636	638	180
25°	591	589	589	588	589	272
35°	516	514	513	513	514	323
45°	421	420	420	419	419	325
55°	311	308	307	305	305	277
65°	185	180	176	175	176	183
75°	84	84	82	80	80	91
85°	20	21	20	20	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.2	661.2	661.2	661.2	661.2
2.5°	663.5	661.2	660.5	660.1	661.8
5°	662.0	659.5	659.0	658.6	660.3
7.5°	658.6	656.3	655.6	655.4	657.1
10°	653.9	651.7	650.7	650.4	652.0
12.5°	647.9	645.5	644.5	644.2	645.7
15°	639.3	637.2	636.5	636.3	638.0
17.5°	629.9	627.9	627.5	626.9	628.6
20°	618.7	616.6	616.1	615.3	617.0
22.5°	606.3	603.9	603.1	602.6	603.9
25°	591.3	589.3	588.7	588.1	589.4
27.5°	574.8	573.3	572.6	572.0	572.8
30°	557.6	555.0	554.0	553.6	554.8
32.5°	537.7	535.8	534.5	534.3	535.6
35°	516.2	513.9	513.3	513.3	513.7
37.5°	493.3	492.2	491.2	490.7	491.8
40°	469.9	469.5	467.4	467.2	467.8
42.5°	446.8	445.3	443.8	444.6	444.9
45°	421.1	419.6	419.6	419.1	419.1
47.5°	396.4	394.9	392.8	393.0	393.4
50°	369.6	367.7	365.5	366.8	364.5
52.5°	342.2	338.9	337.2	337.2	337.0
55°	310.7	308.1	306.6	305.3	304.9
57.5°	280.4	276.4	272.7	273.1	274.4
60°	245.9	244.0	238.8	239.1	239.3
62.5°	214.8	211.2	205.8	205.8	207.7
65°	184.8	179.7	176.2	174.9	176.2
67.5°	155.4	152.6	149.6	147.5	149.4
70°	128.2	126.7	123.5	121.4	122.6
72.5°	106.1	104.0	101.4	100.3	99.1
75°	84.2	84.2	82.3	80.0	80.4
77.5°	66.3	65.8	64.5	63.5	63.5
80°	50.8	50.2	48.7	48.4	47.8
82.5°	35.0	35.2	34.5	33.9	33.2
85°	20.2	20.6	20.4	20.4	19.3
87.5°	8.6	7.9	8.4	8.2	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)