

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: P738052

Luminaire Tested: **22PT-20-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738052
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-L935
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

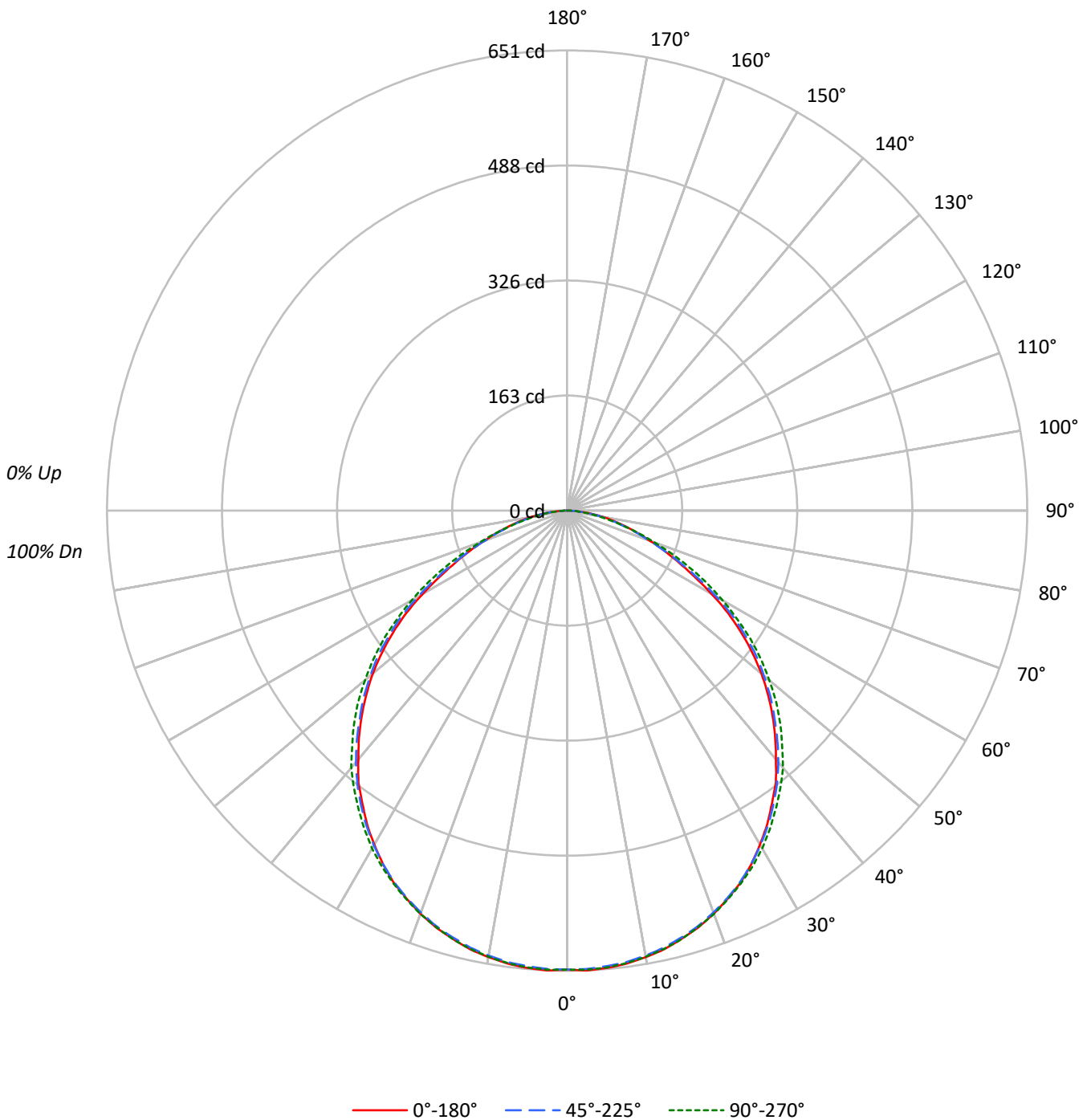
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1711.0 lumens
Efficiency: N/A
Efficacy: 115.6 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_{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	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°	1903	1903	1903
5°	1910	1903	1908
10°	1909	1902	1907
15°	1902	1896	1903
20°	1892	1886	1894
25°	1877	1874	1881
30°	1846	1850	1867
35°	1807	1820	1841
40°	1758	1777	1817
45°	1704	1718	1767
50°	1636	1657	1701
55°	1537	1567	1616
60°	1382	1428	1489
65°	1211	1235	1328
70°	1062	1053	1121
75°	955	916	918
80°	857	812	724
85°	679	669	551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.6	3.6
10°-20°	176.6	10.3
20°-30°	267.1	15.6
30°-40°	318.5	18.6
40°-50°	321.6	18.8
50°-60°	274.3	16.0
60°-70°	180.3	10.5
70°-80°	88.3	5.2
80°-90°	22.7	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°	505.3	29.5
0°-40°	823.8	48.1
0°-60°	1419.7	83.0
0°-90°	1711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	649	649	649	649	649	
5°	649	648	647	647	649	62
15°	627	626	625	625	627	177
25°	581	579	580	580	582	267
35°	505	506	509	512	515	316
45°	411	412	415	423	426	317
55°	301	302	307	314	316	268
65°	175	175	178	186	192	175
75°	84	84	81	80	81	90
85°	20	20	20	18	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	649.4	649.4	649.4	649.4	649.4
2.5°	651.3	650.0	649.1	648.6	650.0
5°	649.4	648.0	646.9	646.9	648.6
7.5°	646.4	645.0	644.2	643.9	645.6
10°	641.5	639.8	639.3	639.0	640.9
12.5°	635.7	633.3	633.3	633.0	634.9
15°	627.0	625.9	625.1	625.4	627.3
17.5°	618.0	616.9	616.3	616.3	617.4
20°	606.8	605.4	604.9	605.4	607.3
22.5°	593.9	593.1	593.1	593.7	595.0
25°	580.6	579.2	579.5	580.3	581.9
27.5°	564.2	563.9	563.9	565.8	567.7
30°	545.6	545.6	546.7	549.4	551.9
32.5°	526.7	526.5	528.6	531.1	533.8
35°	505.2	506.5	508.7	512.3	514.7
37.5°	484.9	484.7	487.4	493.7	495.3
40°	459.5	461.4	464.7	471.0	475.1
42.5°	435.8	437.1	440.1	447.5	450.2
45°	411.2	412.3	414.7	422.9	426.5
47.5°	385.2	386.6	390.1	397.0	401.1
50°	359.0	360.9	363.4	369.9	373.2
52.5°	330.3	332.8	337.1	343.1	345.6
55°	300.8	302.4	306.8	313.9	316.4
57.5°	269.9	271.3	277.6	282.8	284.7
60°	235.8	237.4	243.7	251.9	254.1
62.5°	203.5	204.9	210.4	220.2	223.5
65°	174.6	174.6	178.1	186.3	191.5
67.5°	148.9	148.3	148.9	155.2	160.6
70°	124.0	124.3	122.9	126.8	130.9
72.5°	103.5	103.5	100.8	101.4	104.6
75°	84.4	83.6	80.9	80.3	81.1
77.5°	67.5	66.1	63.9	62.3	60.4
80°	50.8	49.7	48.1	45.6	42.9
82.5°	35.5	34.4	33.3	32.0	29.2
85°	20.2	20.2	19.9	18.3	16.4
87.5°	8.2	7.9	7.6	7.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)