

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: P738054

Luminaire Tested: **22PT-20-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738054
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

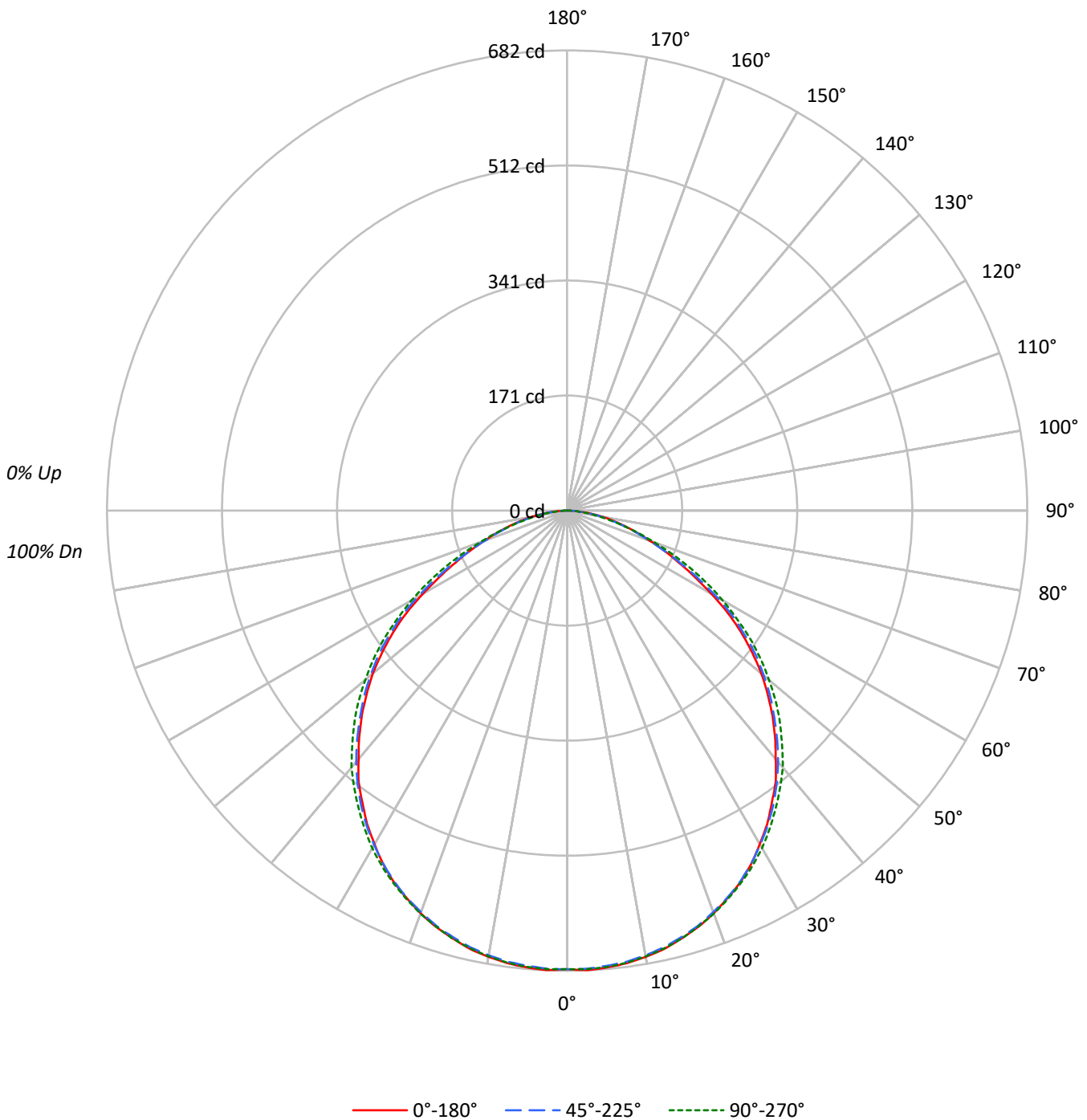
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1791.0 lumens
Efficiency: N/A
Efficacy: 121.0 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°	1992	1992	1992
5°	1999	1992	1997
10°	1998	1991	1996
15°	1991	1985	1992
20°	1981	1974	1982
25°	1965	1961	1969
30°	1932	1936	1955
35°	1891	1905	1927
40°	1840	1860	1902
45°	1783	1799	1850
50°	1713	1734	1780
55°	1609	1641	1692
60°	1446	1495	1559
65°	1267	1293	1390
70°	1112	1103	1174
75°	1001	958	961
80°	898	849	758
85°	713	703	578



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	3.6
10°-20°	184.9	10.3
20°-30°	279.6	15.6
30°-40°	333.4	18.6
40°-50°	336.6	18.8
50°-60°	287.2	16.0
60°-70°	188.7	10.5
70°-80°	92.4	5.2
80°-90°	23.8	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°	529.0	29.5
0°-40°	862.4	48.1
0°-60°	1486.1	83.0
0°-90°	1791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	680	678	677	677	679	65
15°	656	655	654	655	657	185
25°	608	606	607	607	609	280
35°	529	530	532	536	539	331
45°	430	432	434	443	446	332
55°	315	317	321	329	331	280
65°	183	183	186	195	200	183
75°	88	88	85	84	85	95
85°	21	21	21	19	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	679.8	679.8	679.8	679.8	679.8
2.5°	681.8	680.3	679.5	678.9	680.3
5°	679.8	678.3	677.2	677.2	678.9
7.5°	676.6	675.2	674.3	674.0	675.8
10°	671.5	669.8	669.2	668.9	670.9
12.5°	665.5	662.9	662.9	662.6	664.6
15°	656.3	655.2	654.3	654.6	656.6
17.5°	646.9	645.7	645.2	645.2	646.3
20°	635.2	633.7	633.2	633.7	635.7
22.5°	621.7	620.9	620.9	621.4	622.9
25°	607.7	606.3	606.6	607.4	609.1
27.5°	590.5	590.3	590.3	592.3	594.3
30°	571.1	571.1	572.2	575.1	577.7
32.5°	551.4	551.1	553.4	555.9	558.8
35°	528.8	530.2	532.5	536.2	538.8
37.5°	507.6	507.3	510.2	516.8	518.5
40°	481.0	483.0	486.4	493.0	497.3
42.5°	456.1	457.6	460.7	468.4	471.3
45°	430.4	431.5	434.1	442.7	446.4
47.5°	403.2	404.7	408.4	415.5	419.8
50°	375.8	377.8	380.4	387.2	390.6
52.5°	345.7	348.3	352.9	359.2	361.8
55°	314.9	316.6	321.2	328.6	331.2
57.5°	282.5	284.0	290.6	296.0	298.0
60°	246.8	248.5	255.1	263.7	266.0
62.5°	213.1	214.5	220.2	230.5	233.9
65°	182.7	182.7	186.5	195.0	200.5
67.5°	155.9	155.3	155.9	162.4	168.2
70°	129.8	130.1	128.7	132.7	137.0
72.5°	108.4	108.4	105.5	106.1	109.5
75°	88.4	87.5	84.6	84.1	84.9
77.5°	70.6	69.2	66.9	65.2	63.2
80°	53.2	52.0	50.3	47.8	44.9
82.5°	37.2	36.0	34.9	33.5	30.6
85°	21.2	21.2	20.9	19.2	17.2
87.5°	8.6	8.3	8.0	7.7	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)