

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: P738326

Luminaire Tested: **22PT-20-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738326
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-L950
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

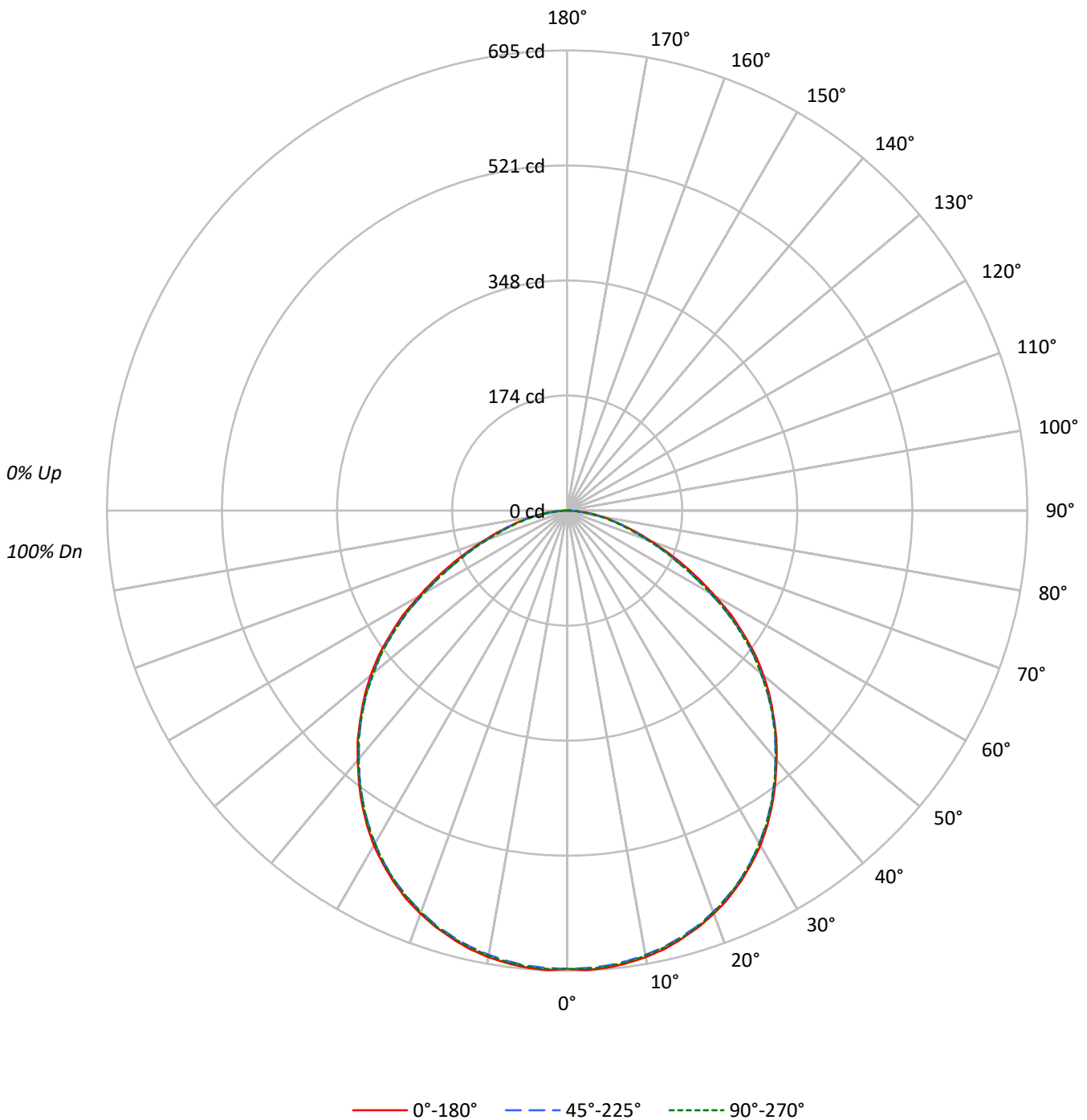
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1803.0 lumens
Efficiency: N/A
Efficacy: 121.8 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°	2028	2028	2028
5°	2039	2029	2033
10°	2037	2027	2031
15°	2031	2021	2026
20°	2020	2011	2014
25°	2002	1993	1995
30°	1975	1963	1965
35°	1933	1923	1924
40°	1882	1872	1873
45°	1827	1821	1818
50°	1764	1744	1740
55°	1662	1640	1631
60°	1509	1465	1469
65°	1342	1279	1279
70°	1150	1108	1099
75°	997	975	953
80°	898	861	844
85°	713	719	679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	3.6
10°-20°	188.3	10.4
20°-30°	284.0	15.8
30°-40°	336.4	18.7
40°-50°	338.6	18.8
50°-60°	286.3	15.9
60°-70°	186.2	10.3
70°-80°	92.6	5.1
80°-90°	25.0	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°	537.9	29.8
0°-40°	874.3	48.5
0°-60°	1499.2	83.2
0°-90°	1803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	693	691	690	690	691	66
15°	669	667	666	666	668	189
25°	619	617	616	616	617	285
35°	540	538	538	538	538	338
45°	441	439	439	439	439	340
55°	325	323	321	320	319	290
65°	194	188	184	183	184	192
75°	88	88	86	84	84	96
85°	21	22	21	21	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	692.3	692.3	692.3	692.3	692.3
2.5°	694.7	692.3	691.5	691.1	692.9
5°	693.1	690.6	690.0	689.6	691.3
7.5°	689.6	687.2	686.4	686.2	688.0
10°	684.7	682.3	681.3	680.9	682.7
12.5°	678.4	675.8	674.9	674.5	676.0
15°	669.4	667.2	666.4	666.2	668.0
17.5°	659.6	657.4	657.0	656.4	658.2
20°	647.8	645.6	645.0	644.2	646.0
22.5°	634.8	632.3	631.5	630.9	632.3
25°	619.1	617.0	616.4	615.8	617.2
27.5°	601.9	600.3	599.5	598.9	599.7
30°	583.8	581.1	580.1	579.7	580.9
32.5°	563.0	561.0	559.7	559.5	560.8
35°	540.4	538.1	537.5	537.5	537.9
37.5°	516.5	515.3	514.3	513.7	514.9
40°	492.0	491.6	489.4	489.2	489.8
42.5°	467.8	466.3	464.7	465.5	465.9
45°	440.9	439.4	439.4	438.8	438.8
47.5°	415.0	413.5	411.3	411.5	411.9
50°	387.0	385.0	382.7	384.0	381.7
52.5°	358.3	354.8	353.0	353.0	352.8
55°	325.4	322.6	321.0	319.7	319.3
57.5°	293.6	289.4	285.5	285.9	287.3
60°	257.5	255.5	250.0	250.4	250.6
62.5°	224.9	221.2	215.5	215.5	217.4
65°	193.5	188.2	184.5	183.1	184.5
67.5°	162.7	159.7	156.6	154.4	156.4
70°	134.2	132.7	129.3	127.2	128.3
72.5°	111.1	108.9	106.2	105.0	103.8
75°	88.1	88.1	86.1	83.8	84.2
77.5°	69.5	68.9	67.5	66.5	66.5
80°	53.2	52.6	51.0	50.6	50.0
82.5°	36.7	36.9	36.1	35.5	34.7
85°	21.2	21.6	21.4	21.4	20.2
87.5°	9.0	8.2	8.8	8.6	9.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)