

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: P738325

Luminaire Tested: **22PT-20-PW1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738325
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-L940
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

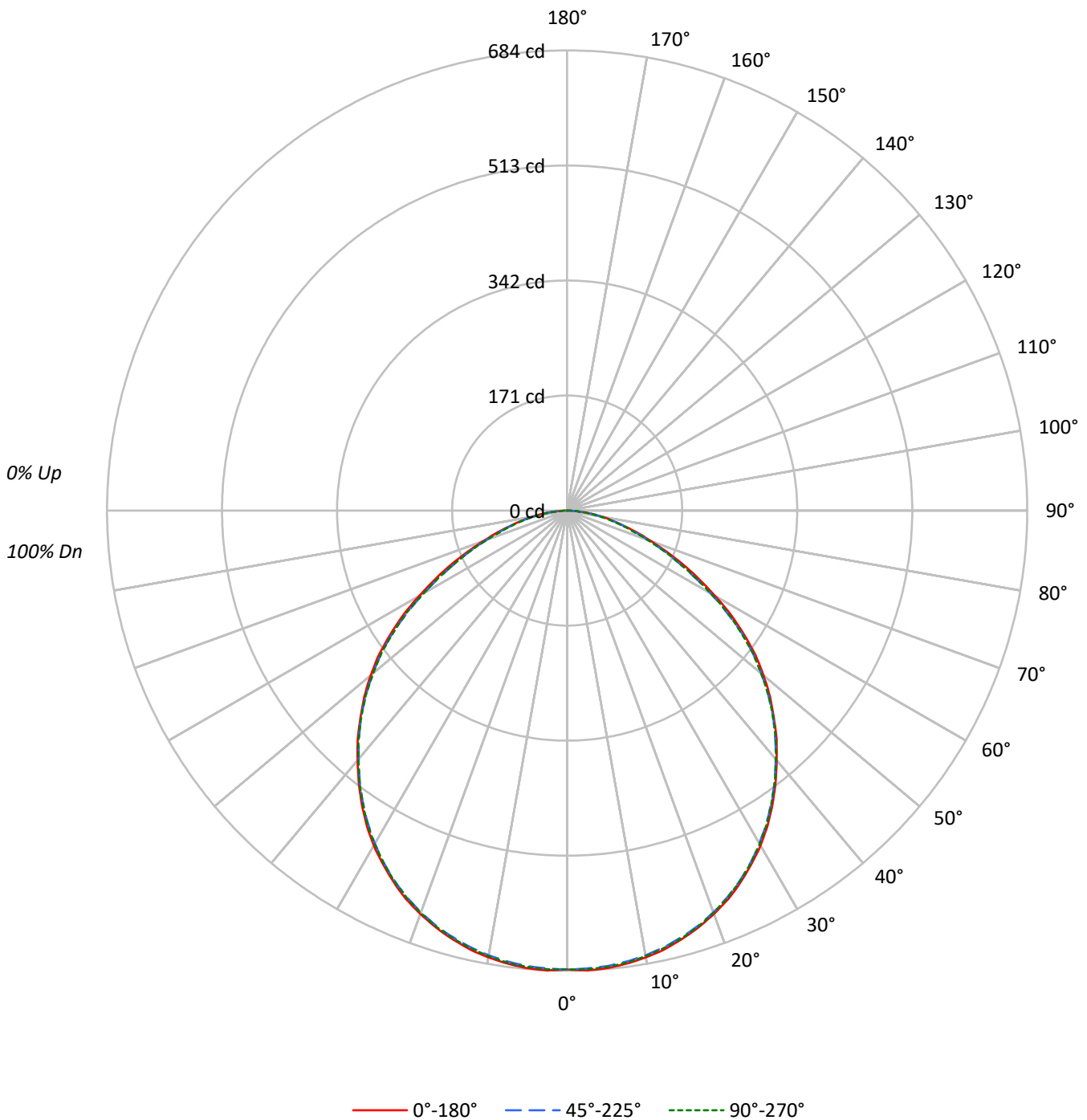
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1776.0 lumens
Efficiency: N/A
Efficacy: 120.0 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°	1998	1998	1998
5°	2008	1999	2003
10°	2007	1997	2001
15°	2000	1991	1996
20°	1990	1981	1984
25°	1972	1963	1965
30°	1946	1933	1936
35°	1904	1894	1895
40°	1854	1844	1846
45°	1800	1793	1791
50°	1738	1718	1714
55°	1637	1615	1607
60°	1486	1443	1446
65°	1321	1260	1260
70°	1133	1091	1083
75°	983	961	939
80°	884	849	832
85°	703	709	669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.6
10°-20°	185.4	10.4
20°-30°	279.8	15.8
30°-40°	331.3	18.7
40°-50°	333.5	18.8
50°-60°	282.0	15.9
60°-70°	183.4	10.3
70°-80°	91.3	5.1
80°-90°	24.6	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°	529.8	29.8
0°-40°	861.2	48.5
0°-60°	1476.8	83.2
0°-90°	1776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	682	682	682	682	682	
5°	683	680	680	679	681	65
15°	659	657	656	656	658	186
25°	610	608	607	607	608	281
35°	532	530	529	529	530	333
45°	434	433	433	432	432	335
55°	320	318	316	315	314	286
65°	191	185	182	180	182	189
75°	87	87	85	82	83	94
85°	21	21	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°	682.0	682.0	682.0	682.0	682.0
2.5°	684.3	682.0	681.2	680.8	682.5
5°	682.7	680.2	679.6	679.3	681.0
7.5°	679.3	676.9	676.2	676.0	677.7
10°	674.4	672.1	671.1	670.7	672.5
12.5°	668.2	665.7	664.8	664.4	665.9
15°	659.3	657.2	656.4	656.2	658.0
17.5°	649.7	647.5	647.2	646.6	648.3
20°	638.1	636.0	635.4	634.6	636.3
22.5°	625.3	622.8	622.0	621.5	622.8
25°	609.9	607.7	607.2	606.6	607.9
27.5°	592.8	591.3	590.5	589.9	590.7
30°	575.1	572.4	571.4	571.0	572.2
32.5°	554.6	552.6	551.3	551.1	552.4
35°	532.3	530.0	529.4	529.4	529.8
37.5°	508.8	507.6	506.6	506.1	507.2
40°	484.6	484.2	482.1	481.9	482.5
42.5°	460.8	459.3	457.7	458.5	458.9
45°	434.3	432.8	432.8	432.2	432.2
47.5°	408.8	407.3	405.2	405.3	405.7
50°	381.2	379.3	376.9	378.3	376.0
52.5°	353.0	349.5	347.7	347.7	347.6
55°	320.5	317.8	316.2	314.9	314.5
57.5°	289.2	285.1	281.2	281.6	283.0
60°	253.6	251.7	246.3	246.6	246.8
62.5°	221.5	217.8	212.2	212.2	214.2
65°	190.6	185.4	181.7	180.3	181.7
67.5°	160.2	157.3	154.3	152.1	154.1
70°	132.2	130.7	127.4	125.3	126.4
72.5°	109.4	107.3	104.6	103.4	102.3
75°	86.8	86.8	84.9	82.5	82.9
77.5°	68.4	67.8	66.5	65.5	65.5
80°	52.4	51.8	50.3	49.9	49.3
82.5°	36.1	36.3	35.6	35.0	34.2
85°	20.9	21.3	21.1	21.1	19.9
87.5°	8.9	8.1	8.7	8.5	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)