

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: P738323

Luminaire Tested: **22PT-20-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738323
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-L930
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

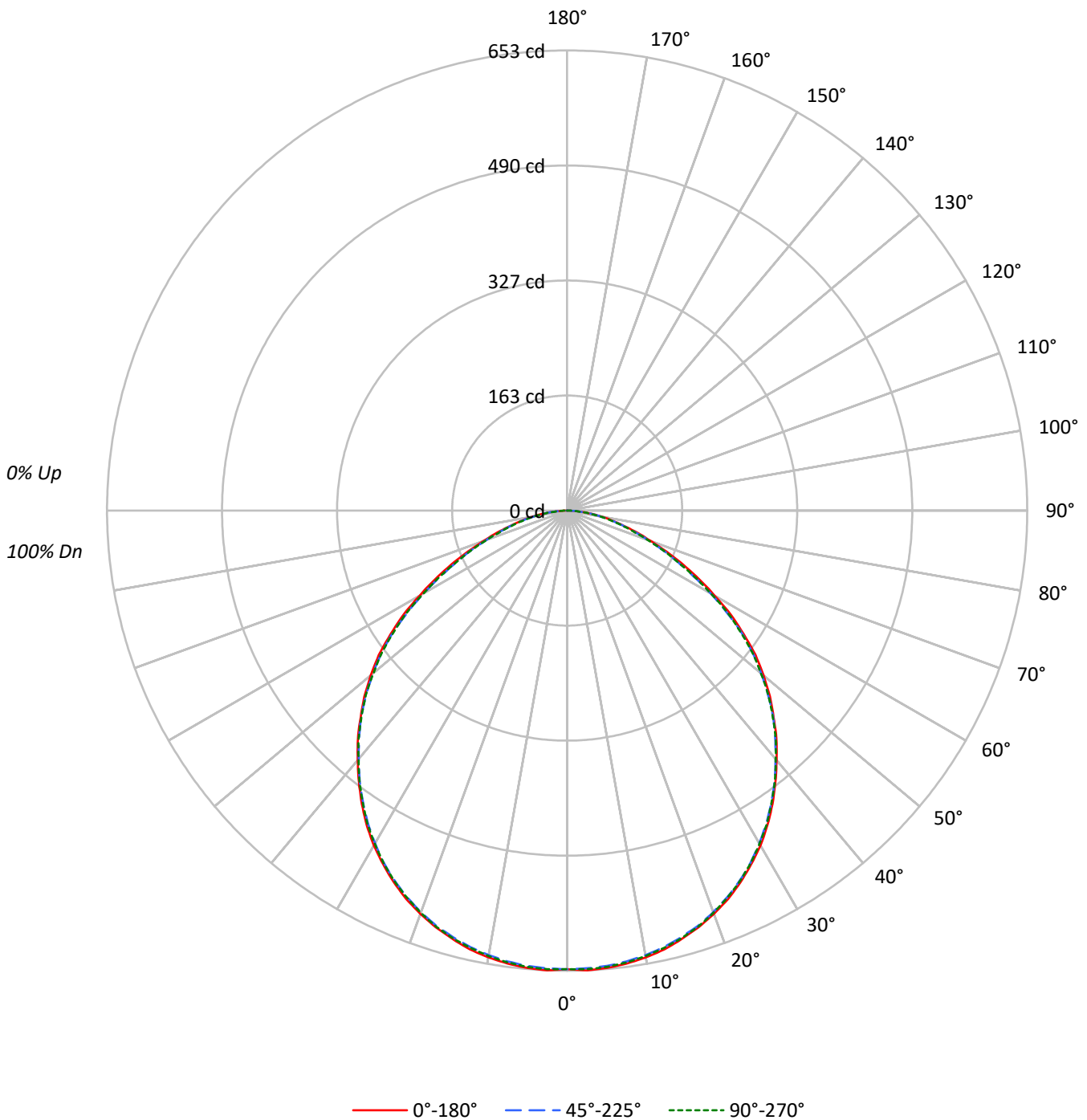
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1695.0 lumens
Efficiency: N/A
Efficacy: 114.5 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°	1907	1907	1907
5°	1917	1908	1912
10°	1915	1906	1910
15°	1909	1900	1905
20°	1899	1891	1894
25°	1882	1874	1876
30°	1857	1845	1848
35°	1817	1807	1809
40°	1769	1760	1761
45°	1718	1712	1709
50°	1658	1640	1636
55°	1563	1542	1534
60°	1418	1377	1381
65°	1261	1202	1202
70°	1081	1042	1034
75°	937	917	895
80°	844	810	793
85°	669	676	639



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	3.6
10°-20°	177.0	10.4
20°-30°	267.0	15.8
30°-40°	316.2	18.7
40°-50°	318.3	18.8
50°-60°	269.2	15.9
60°-70°	175.0	10.3
70°-80°	87.1	5.1
80°-90°	23.5	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°	505.7	29.8
0°-40°	821.9	48.5
0°-60°	1409.4	83.2
0°-90°	1695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	651	651	651	651	651	
5°	652	649	649	648	650	62
15°	629	627	626	626	628	178
25°	582	580	580	579	580	268
35°	508	506	505	505	506	318
45°	414	413	413	412	412	320
55°	306	303	302	300	300	273
65°	182	177	173	172	173	180
75°	83	83	81	79	79	90
85°	20	20	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°	650.9	650.9	650.9	650.9	650.9
2.5°	653.1	650.9	650.1	649.7	651.4
5°	651.6	649.2	648.6	648.3	649.9
7.5°	648.3	646.1	645.3	645.1	646.8
10°	643.7	641.4	640.5	640.2	641.8
12.5°	637.8	635.4	634.4	634.1	635.5
15°	629.3	627.2	626.5	626.3	628.0
17.5°	620.0	618.0	617.6	617.1	618.8
20°	609.0	606.9	606.4	605.7	607.3
22.5°	596.8	594.4	593.7	593.1	594.4
25°	582.0	580.0	579.5	578.9	580.2
27.5°	565.8	564.3	563.6	563.0	563.8
30°	548.8	546.3	545.3	545.0	546.1
32.5°	529.3	527.4	526.1	526.0	527.3
35°	508.1	505.9	505.3	505.3	505.7
37.5°	485.6	484.5	483.5	483.0	484.1
40°	462.5	462.1	460.1	459.9	460.5
42.5°	439.8	438.3	436.9	437.6	438.0
45°	414.5	413.1	413.1	412.5	412.5
47.5°	390.2	388.7	386.7	386.9	387.2
50°	363.8	362.0	359.7	361.0	358.8
52.5°	336.9	333.5	331.9	331.9	331.7
55°	305.9	303.3	301.8	300.5	300.2
57.5°	276.0	272.1	268.4	268.8	270.1
60°	242.0	240.2	235.0	235.4	235.6
62.5°	211.4	207.9	202.6	202.6	204.4
65°	181.9	176.9	173.4	172.1	173.4
67.5°	152.9	150.2	147.2	145.2	147.0
70°	126.2	124.7	121.6	119.5	120.7
72.5°	104.4	102.4	99.8	98.7	97.6
75°	82.8	82.8	81.0	78.8	79.1
77.5°	65.3	64.8	63.5	62.5	62.5
80°	50.0	49.4	48.0	47.6	47.0
82.5°	34.5	34.7	33.9	33.4	32.7
85°	19.9	20.3	20.1	20.1	19.0
87.5°	8.5	7.7	8.3	8.1	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)