

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: P738067

Luminaire Tested: **22PT-20-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L930
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

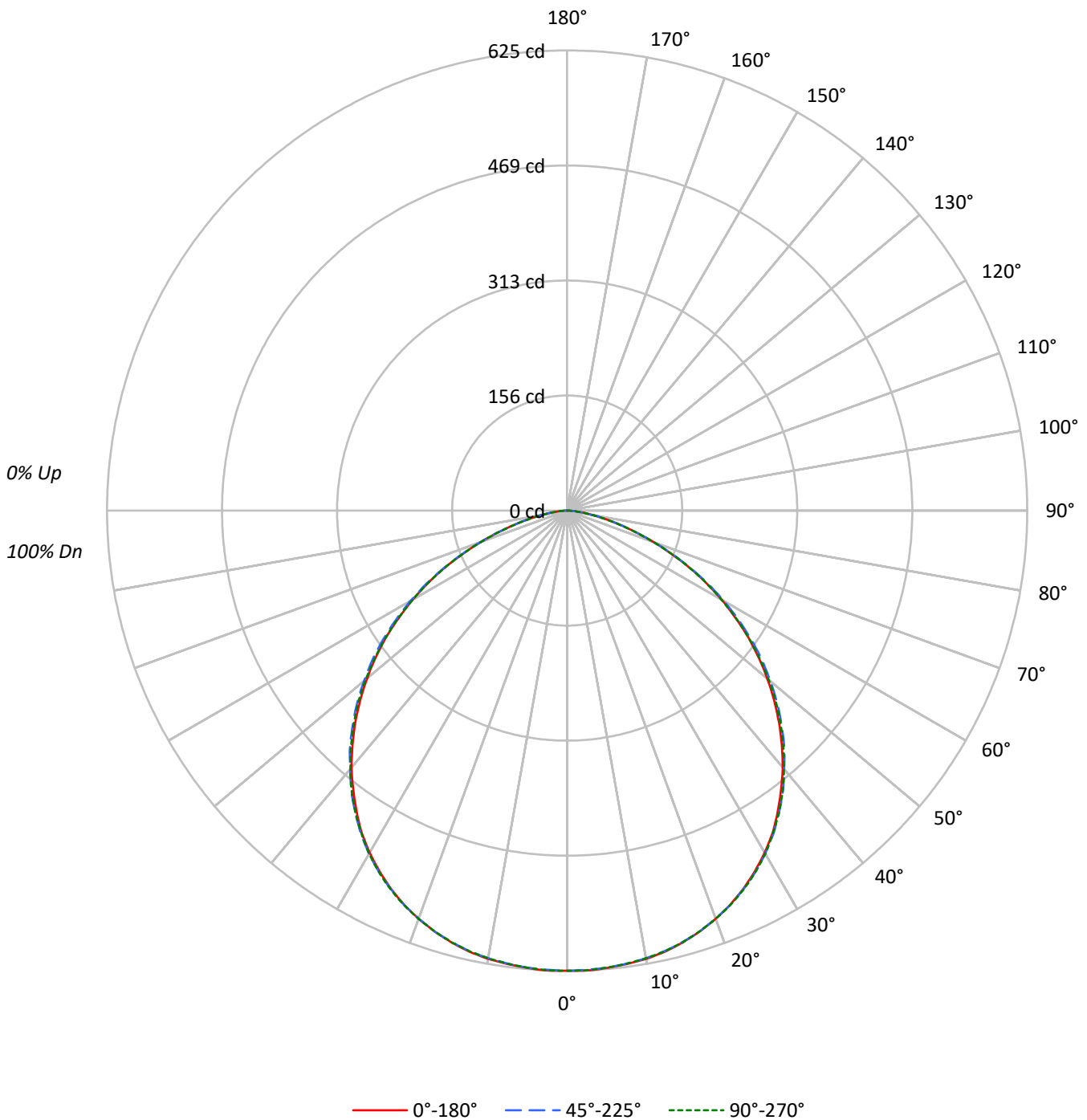
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1670.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
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 (Ain): 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

TEST NUMBER: P738067
CATALOG NUMBER: 22PT-20-PR1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738067

CATALOG NUMBER: 22PT-20-PR1-L930

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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		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	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
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°	1831	1831	1831
5°	1834	1833	1833
10°	1840	1837	1837
15°	1842	1840	1841
20°	1839	1839	1840
25°	1831	1833	1835
30°	1815	1821	1821
35°	1784	1794	1793
40°	1743	1754	1752
45°	1686	1707	1699
50°	1617	1642	1629
55°	1535	1560	1537
60°	1423	1443	1418
65°	1269	1283	1268
70°	1068	1068	1061
75°	837	837	828
80°	613	606	602
85°	400	400	407



TEST NUMBER: P738067

CATALOG NUMBER: 22PT-20-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	3.6
10°-20°	171.3	10.3
20°-30°	261.2	15.6
30°-40°	313.1	18.7
40°-50°	316.2	18.9
50°-60°	270.5	16.2
60°-70°	182.4	10.9
70°-80°	80.5	4.8
80°-90°	15.5	0.9
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°	491.8	29.4
0°-40°	804.9	48.2
0°-60°	1391.6	83.3
0°-90°	1670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	624	623	623	623	623	59
15°	607	607	607	606	607	171
25°	566	567	567	567	568	261
35°	499	502	502	501	501	312
45°	407	410	412	411	410	313
55°	300	303	305	305	301	268
65°	183	185	185	185	183	181
75°	74	74	74	74	73	80
85°	12	12	12	12	12	15
90°	0	0	0	0	0	



TEST NUMBER: P738067

CATALOG NUMBER: 22PT-20-PR1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.0	625.0	625.0	625.0	625.0
2.5°	625.4	624.6	624.3	624.1	625.0
5°	623.5	622.7	623.1	622.7	623.1
7.5°	621.2	620.4	620.6	620.1	620.6
10°	618.3	617.4	617.4	617.0	617.4
12.5°	613.7	613.1	612.8	612.4	613.1
15°	607.2	607.0	606.6	606.4	606.8
17.5°	599.3	598.9	599.3	598.7	599.1
20°	589.9	590.1	589.7	589.9	590.1
22.5°	579.2	579.2	579.5	579.5	579.9
25°	566.5	567.1	567.1	567.1	567.6
27.5°	552.3	553.2	553.7	553.3	553.7
30°	536.4	537.9	538.1	537.9	538.3
32.5°	519.3	520.4	521.0	520.5	520.1
35°	498.8	501.8	501.6	501.1	501.4
37.5°	477.3	480.3	481.3	480.5	480.7
40°	455.6	458.1	458.7	459.0	458.1
42.5°	431.6	434.5	436.8	435.8	434.5
45°	406.8	409.9	412.0	411.4	409.9
47.5°	381.1	384.0	386.9	385.9	384.4
50°	354.8	357.7	360.2	359.8	357.3
52.5°	327.8	331.2	333.5	332.6	329.3
55°	300.5	303.2	305.3	304.9	300.9
57.5°	270.8	274.4	275.4	274.8	271.9
60°	242.8	245.2	246.2	245.4	242.0
62.5°	213.0	214.9	215.7	215.5	213.2
65°	183.1	184.6	185.0	184.6	182.9
67.5°	152.5	154.5	154.8	154.8	153.0
70°	124.7	125.3	124.7	126.3	123.9
72.5°	97.7	98.1	97.7	97.7	96.7
75°	73.9	74.1	73.9	74.1	73.1
77.5°	53.4	53.9	53.0	53.7	52.6
80°	36.3	36.3	35.9	36.1	35.7
82.5°	22.5	23.0	22.4	22.4	22.1
85°	11.9	11.9	11.9	12.1	12.1
87.5°	4.2	4.2	4.4	4.4	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)