

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: P738075

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
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: -

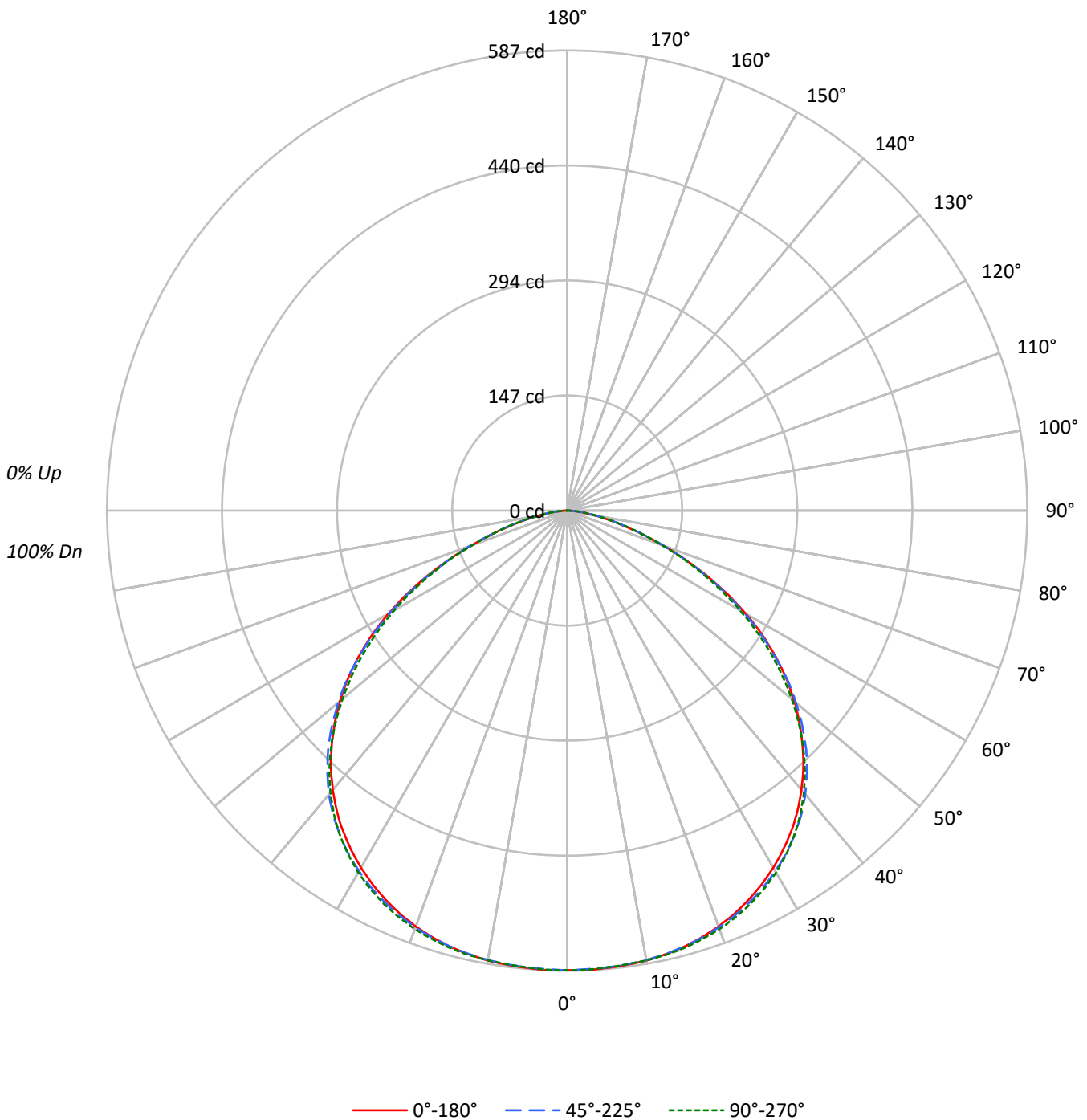
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1695.0 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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: P738075
CATALOG NUMBER: 22PT-20-PW1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738075

CATALOG NUMBER: 22PT-20-PW1-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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1718	1718	1718
5°	1723	1720	1721
10°	1734	1732	1733
15°	1748	1747	1752
20°	1760	1764	1772
25°	1771	1781	1789
30°	1780	1797	1803
35°	1784	1807	1808
40°	1779	1808	1797
45°	1761	1786	1765
50°	1725	1738	1706
55°	1658	1651	1620
60°	1544	1527	1494
65°	1362	1348	1322
70°	1115	1121	1097
75°	845	873	866
80°	613	636	626
85°	400	417	444



TEST NUMBER: P738075

CATALOG NUMBER: 22PT-20-PW1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	3.3
10°-20°	162.9	9.6
20°-30°	253.9	15.0
30°-40°	314.7	18.6
40°-50°	329.3	19.4
50°-60°	286.9	16.9
60°-70°	192.2	11.3
70°-80°	83.3	4.9
80°-90°	16.1	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°	472.5	27.9
0°-40°	787.2	46.4
0°-60°	1403.4	82.8
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°	586	586	586	586	586	
5°	586	585	585	585	585	56
15°	576	575	576	576	578	163
25°	548	548	551	553	554	253
35°	499	501	505	506	506	312
45°	425	427	431	428	426	327
55°	325	324	323	320	317	289
65°	196	195	194	193	191	194
75°	75	76	77	76	76	82
85°	12	13	12	13	13	16
90°	0	0	0	0	0	



TEST NUMBER: P738075

CATALOG NUMBER: 22PT-20-PW1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	586.4	586.4	586.4	586.4	586.4
2.5°	587.0	585.9	585.7	585.7	586.4
5°	585.7	585.1	584.9	584.7	585.1
7.5°	584.5	583.7	583.9	583.4	583.9
10°	582.8	582.0	582.0	582.0	582.6
12.5°	579.9	579.3	579.5	579.9	580.7
15°	576.1	575.2	575.9	576.5	577.6
17.5°	570.8	570.2	571.3	572.3	573.2
20°	564.6	563.9	565.8	567.3	568.2
22.5°	556.8	556.6	559.1	560.8	561.4
25°	547.8	548.0	551.0	552.6	553.5
27.5°	537.5	538.0	541.8	543.2	544.0
30°	526.0	527.0	531.1	532.3	533.0
32.5°	513.0	514.5	519.3	520.1	520.1
35°	498.8	500.6	505.3	505.9	505.5
37.5°	482.9	484.9	490.2	489.3	488.7
40°	465.0	467.3	472.6	470.9	469.9
42.5°	446.0	448.3	452.9	450.4	448.9
45°	425.0	427.3	431.1	427.5	425.9
47.5°	402.3	405.1	407.0	403.0	400.9
50°	378.5	379.3	381.2	376.6	374.3
52.5°	352.5	352.5	354.0	348.9	346.2
55°	324.6	324.4	323.2	319.6	317.1
57.5°	295.1	293.8	293.0	289.2	286.3
60°	263.4	261.5	260.5	257.4	255.0
62.5°	230.3	229.3	228.0	225.5	223.0
65°	196.4	195.3	194.5	192.6	190.7
67.5°	162.6	162.0	162.0	160.7	160.5
70°	130.2	130.6	130.8	130.8	128.0
72.5°	100.8	101.0	102.1	101.2	101.0
75°	74.6	75.9	77.1	76.5	76.5
77.5°	53.7	55.6	55.6	55.1	54.5
80°	36.3	37.1	37.7	37.5	37.1
82.5°	23.1	23.7	23.1	23.5	23.7
85°	11.9	12.8	12.4	12.6	13.2
87.5°	4.0	4.4	4.6	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)