

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: P738043

Luminaire Tested: **22PT-20-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PC3-L930
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

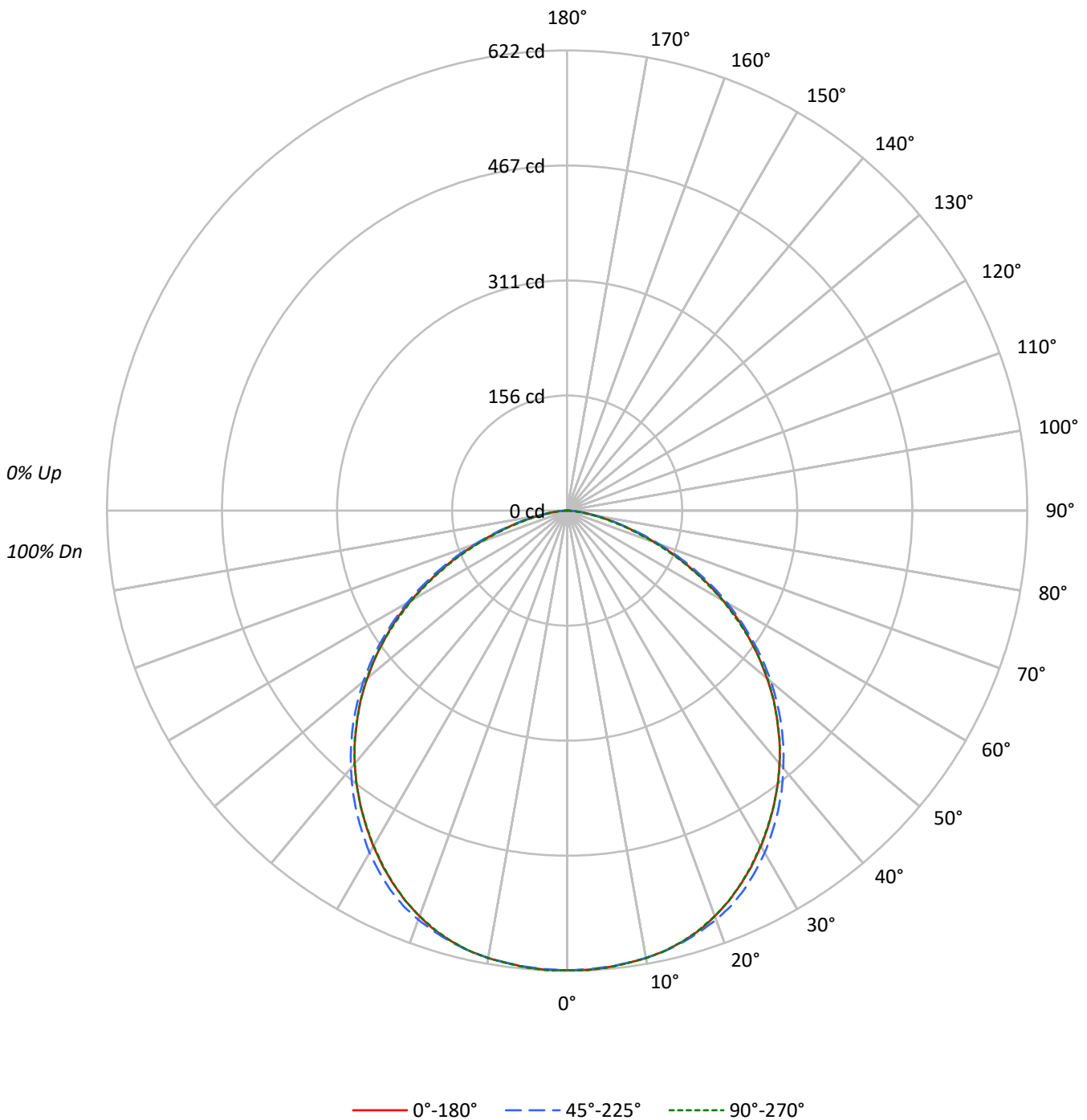
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1669.0 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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 (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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1820	1820	1820
5°	1823	1822	1824
10°	1827	1827	1827
15°	1829	1832	1829
20°	1820	1835	1819
25°	1799	1829	1798
30°	1773	1807	1769
35°	1742	1776	1742
40°	1709	1739	1709
45°	1664	1697	1666
50°	1607	1639	1613
55°	1533	1563	1533
60°	1429	1465	1420
65°	1283	1328	1266
70°	1097	1136	1065
75°	871	894	825
80°	624	648	594
85°	410	424	387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.5
10°-20°	170.3	10.2
20°-30°	258.3	15.5
30°-40°	308.5	18.5
40°-50°	313.7	18.8
50°-60°	271.4	16.3
60°-70°	186.7	11.2
70°-80°	84.7	5.1
80°-90°	16.4	1.0
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°	487.5	29.2
0°-40°	796.0	47.7
0°-60°	1381.1	82.8
0°-90°	1669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	621	621	621	621	621	
5°	620	619	619	619	620	59
15°	603	604	604	603	603	170
25°	556	561	566	560	556	256
35°	487	496	497	495	487	305
45°	402	409	410	409	402	310
55°	300	305	306	305	300	268
65°	185	190	192	190	183	183
75°	77	80	79	78	73	83
85°	12	13	13	12	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	621.3	621.3	621.3	621.3	621.3
2.5°	621.3	620.5	620.6	620.9	622.0
5°	619.7	619.1	619.3	619.3	620.1
7.5°	617.1	616.9	616.9	616.7	617.3
10°	614.2	613.8	613.9	613.8	614.2
12.5°	609.6	609.6	609.8	609.2	609.6
15°	603.1	603.5	603.9	602.9	602.9
17.5°	594.8	595.8	596.8	595.0	594.0
20°	583.7	586.1	588.4	585.7	583.3
22.5°	570.9	574.8	578.4	574.0	570.9
25°	556.5	561.4	565.6	560.4	556.1
27.5°	540.8	546.4	550.3	546.0	540.1
30°	523.9	530.6	534.1	530.0	523.0
32.5°	505.7	513.6	515.7	513.2	505.2
35°	486.9	495.6	496.6	494.8	486.9
37.5°	467.3	475.6	476.4	475.4	467.3
40°	446.8	454.5	454.7	454.7	446.8
42.5°	424.9	432.4	432.4	432.1	425.4
45°	401.5	408.9	409.5	409.0	402.1
47.5°	378.4	384.0	384.9	384.1	378.0
50°	352.5	358.2	359.5	358.6	353.9
52.5°	326.8	332.2	333.4	332.7	327.4
55°	300.0	305.1	305.9	305.3	300.0
57.5°	274.1	277.4	278.2	277.0	270.3
60°	243.8	248.6	250.0	248.6	242.3
62.5°	214.6	219.7	220.9	218.9	212.2
65°	185.0	190.1	191.5	189.9	182.6
67.5°	156.9	160.6	161.9	160.1	153.3
70°	128.0	132.8	132.6	130.2	124.3
72.5°	99.6	106.1	104.9	103.5	97.0
75°	76.9	79.8	79.0	78.3	72.9
77.5°	54.9	58.5	56.5	56.7	52.2
80°	37.0	40.3	38.4	37.5	35.2
82.5°	23.5	24.9	24.5	24.1	22.0
85°	12.2	13.0	12.6	12.2	11.5
87.5°	4.8	5.2	4.8	4.8	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)