

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: P738055

Luminaire Tested: **22PT-20-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PP3-L830
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

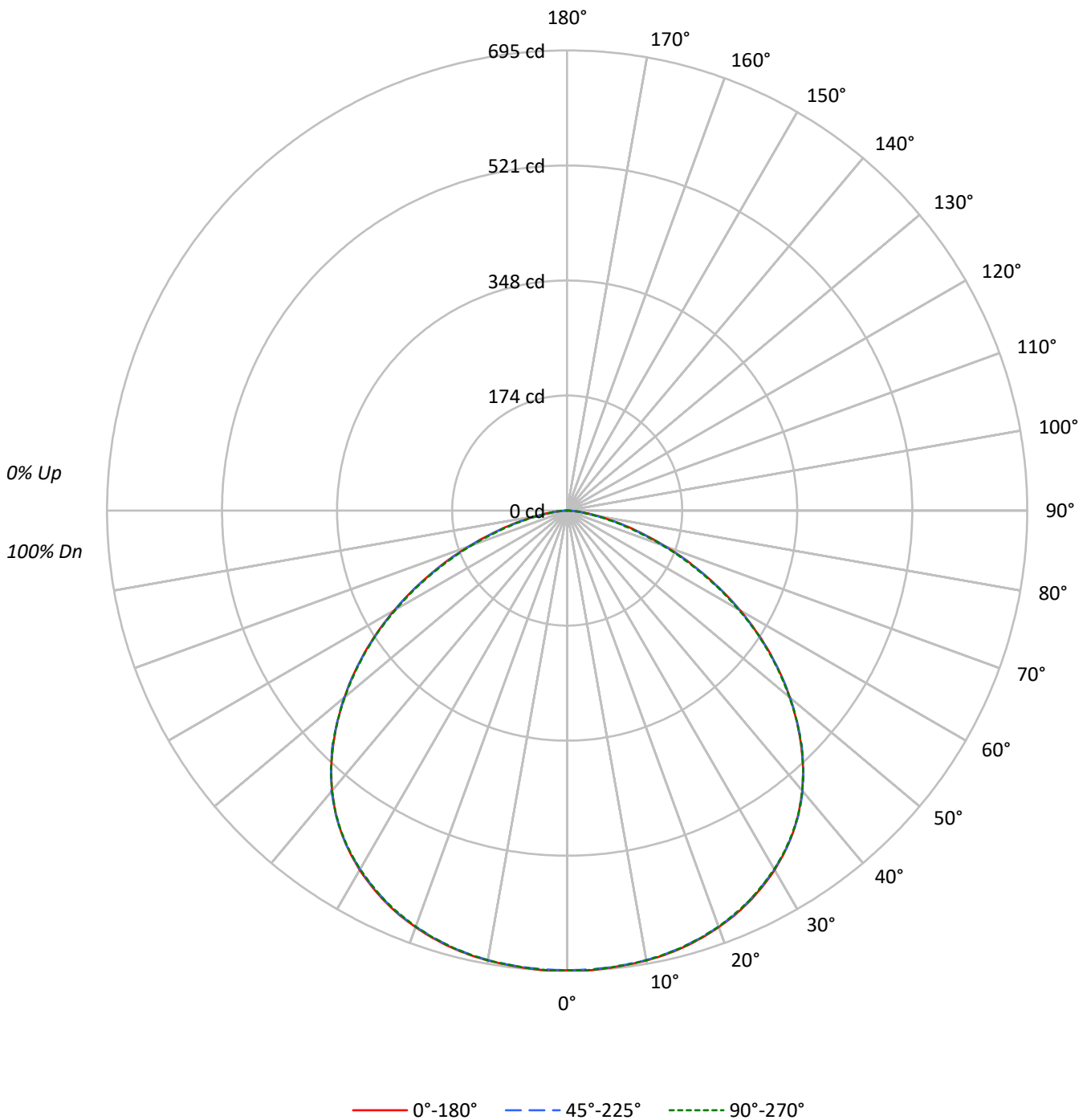
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1992.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	2034	2034	2034
5°	2041	2038	2039
10°	2053	2051	2052
15°	2070	2067	2067
20°	2088	2085	2085
25°	2106	2102	2102
30°	2121	2117	2116
35°	2127	2127	2124
40°	2113	2117	2113
45°	2071	2077	2074
50°	2002	2005	1999
55°	1905	1901	1897
60°	1769	1764	1751
65°	1580	1579	1561
70°	1351	1342	1312
75°	1075	1045	1013
80°	766	751	712
85°	498	498	484



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.0	3.3
10°-20°	192.6	9.7
20°-30°	299.9	15.1
30°-40°	371.2	18.6
40°-50°	384.9	19.3
50°-60°	331.7	16.7
60°-70°	225.6	11.3
70°-80°	100.9	5.1
80°-90°	19.2	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°	558.5	28.0
0°-40°	929.7	46.7
0°-60°	1646.3	82.6
0°-90°	1992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	694	694	694	694	694	
5°	694	692	693	693	693	66
15°	682	681	682	681	682	193
25°	651	650	650	650	650	300
35°	595	594	595	594	594	371
45°	500	499	501	500	500	385
55°	373	372	372	371	371	333
65°	228	230	228	227	225	226
75°	95	95	92	92	90	102
85°	15	15	15	14	14	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	694.3	694.3	694.3	694.3	694.3
2.5°	695.3	693.8	693.8	694.1	694.8
5°	693.8	692.5	692.9	692.7	693.4
7.5°	692.0	690.8	691.5	691.0	691.5
10°	690.1	688.9	689.2	688.9	689.7
12.5°	686.9	685.5	686.0	686.0	686.2
15°	682.3	681.1	681.5	681.1	681.5
17.5°	676.7	675.3	675.6	675.3	675.8
20°	669.5	668.6	668.8	668.3	668.6
22.5°	661.4	660.2	660.5	660.0	660.0
25°	651.4	650.5	650.3	650.0	650.3
27.5°	639.8	638.7	638.7	638.4	638.4
30°	626.9	625.7	625.7	625.4	625.4
32.5°	611.5	611.1	611.3	610.9	610.6
35°	594.6	593.9	594.6	593.7	593.9
37.5°	574.9	574.0	575.4	574.5	574.7
40°	552.4	552.0	553.6	552.9	552.4
42.5°	527.4	527.4	528.1	528.3	527.8
45°	499.8	499.4	501.2	500.0	500.5
47.5°	470.1	469.5	470.8	470.6	470.4
50°	439.1	438.6	439.8	438.6	438.6
52.5°	406.9	406.6	406.9	405.7	405.4
55°	373.0	371.6	372.1	371.4	371.4
57.5°	337.7	336.1	336.4	336.1	336.4
60°	301.9	301.3	301.1	300.0	298.8
62.5°	265.0	265.5	265.2	263.6	262.4
65°	227.9	229.8	227.7	227.0	225.1
67.5°	192.9	193.5	192.2	190.6	188.5
70°	157.7	159.0	156.7	155.1	153.2
72.5°	124.0	125.0	122.9	122.0	119.6
75°	95.0	95.3	92.3	91.8	89.5
77.5°	67.7	68.6	66.3	66.3	64.0
80°	45.4	47.1	44.5	43.8	42.2
82.5°	28.5	28.7	28.0	27.4	26.7
85°	14.8	15.3	14.8	14.4	14.4
87.5°	5.6	5.8	5.6	5.3	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)