

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: P738071

Luminaire Tested: **22PT-20-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738071
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-L830
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

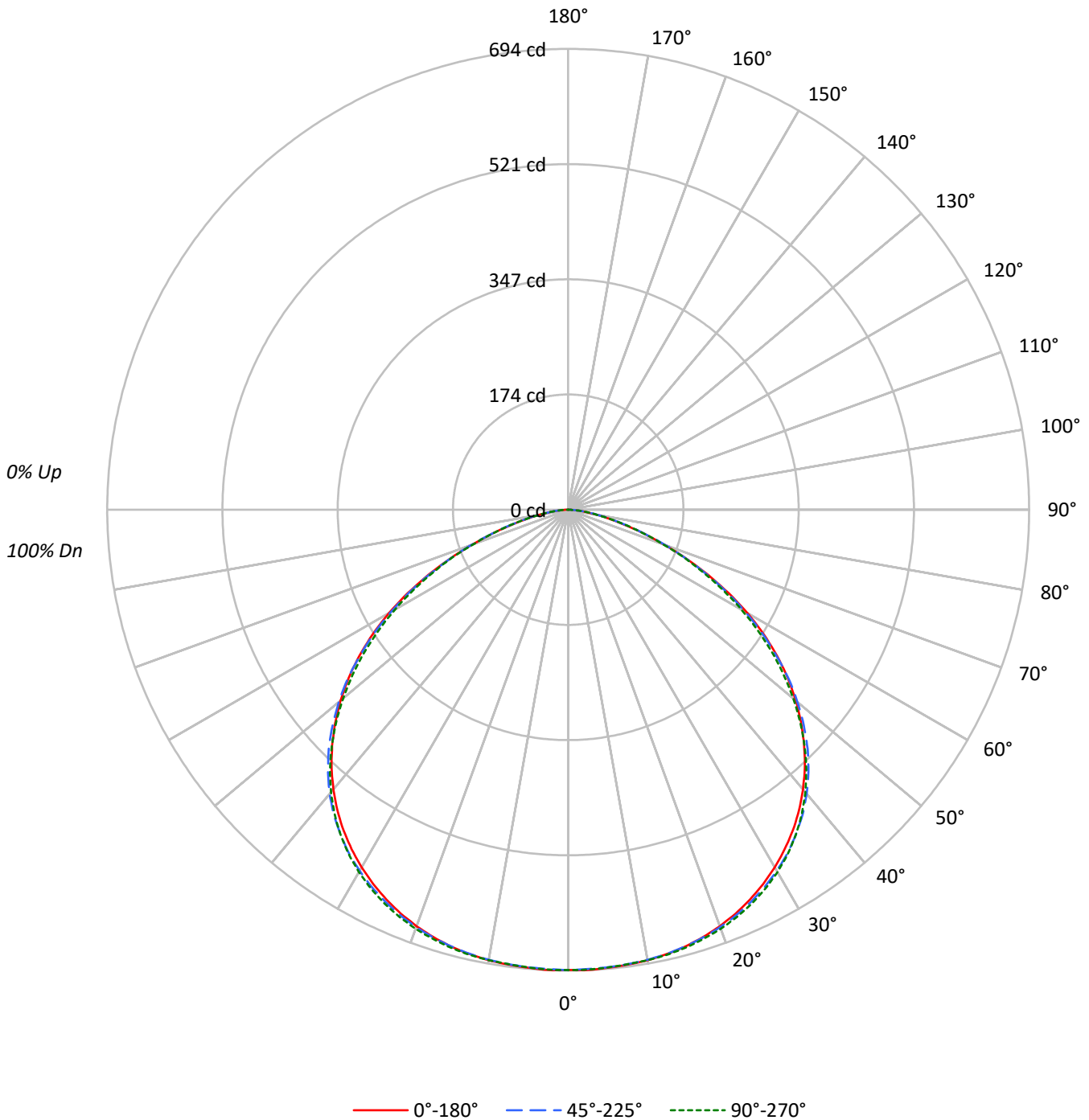
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2004.0 lumens
Efficiency: N/A
Efficacy: 135.4 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 (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	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°	2031	2031	2031
5°	2037	2034	2035
10°	2050	2047	2049
15°	2066	2065	2072
20°	2081	2086	2094
25°	2094	2106	2116
30°	2104	2124	2132
35°	2109	2137	2138
40°	2103	2137	2125
45°	2082	2112	2086
50°	2040	2054	2017
55°	1961	1952	1915
60°	1825	1805	1767
65°	1610	1594	1563
70°	1318	1324	1297
75°	999	1032	1023
80°	724	753	741
85°	474	491	524



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	3.3
10°-20°	192.5	9.6
20°-30°	300.2	15.0
30°-40°	372.0	18.6
40°-50°	389.3	19.4
50°-60°	339.3	16.9
60°-70°	227.3	11.3
70°-80°	98.5	4.9
80°-90°	19.0	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°	558.6	27.9
0°-40°	930.7	46.4
0°-60°	1659.3	82.8
0°-90°	2004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	693	693	693	693	693	
5°	692	692	692	691	692	66
15°	681	680	681	682	683	192
25°	648	648	651	653	654	299
35°	590	592	597	598	598	369
45°	502	505	510	506	504	387
55°	384	384	382	378	375	342
65°	232	231	230	228	226	230
75°	88	90	91	90	90	97
85°	14	15	15	15	16	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.3	693.3	693.3	693.3	693.3
2.5°	694.0	692.8	692.5	692.5	693.3
5°	692.5	691.8	691.5	691.3	691.8
7.5°	691.0	690.1	690.3	689.8	690.3
10°	689.1	688.1	688.1	688.1	688.8
12.5°	685.6	684.9	685.1	685.6	686.6
15°	681.1	680.1	680.9	681.6	682.9
17.5°	674.9	674.2	675.4	676.7	677.7
20°	667.5	666.7	669.0	670.8	671.7
22.5°	658.3	658.1	661.1	663.1	663.8
25°	647.7	647.9	651.4	653.4	654.4
27.5°	635.5	636.0	640.5	642.2	643.2
30°	621.9	623.1	627.9	629.3	630.1
32.5°	606.5	608.3	614.0	615.0	615.0
35°	589.7	591.9	597.4	598.1	597.6
37.5°	570.9	573.3	579.5	578.5	577.8
40°	549.8	552.5	558.7	556.7	555.5
42.5°	527.3	530.0	535.4	532.5	530.7
45°	502.5	505.2	509.7	505.5	503.5
47.5°	475.7	478.9	481.2	476.5	474.0
50°	447.5	448.5	450.7	445.3	442.5
52.5°	416.7	416.7	418.5	412.5	409.3
55°	383.8	383.5	382.1	377.9	374.9
57.5°	348.9	347.4	346.4	341.9	338.5
60°	311.5	309.2	308.0	304.3	301.5
62.5°	272.3	271.1	269.6	266.6	263.6
65°	232.2	230.9	229.9	227.7	225.5
67.5°	192.3	191.5	191.5	190.1	189.8
70°	153.9	154.3	154.6	154.6	151.4
72.5°	119.2	119.4	120.7	119.7	119.4
75°	88.2	89.7	91.2	90.4	90.4
77.5°	63.4	65.7	65.7	65.2	64.4
80°	42.9	43.9	44.6	44.3	43.9
82.5°	27.3	28.0	27.3	27.7	28.0
85°	14.1	15.1	14.6	14.9	15.6
87.5°	4.7	5.2	5.5	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)