

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: P738047

Luminaire Tested: **22PT-20-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PL1-L830
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

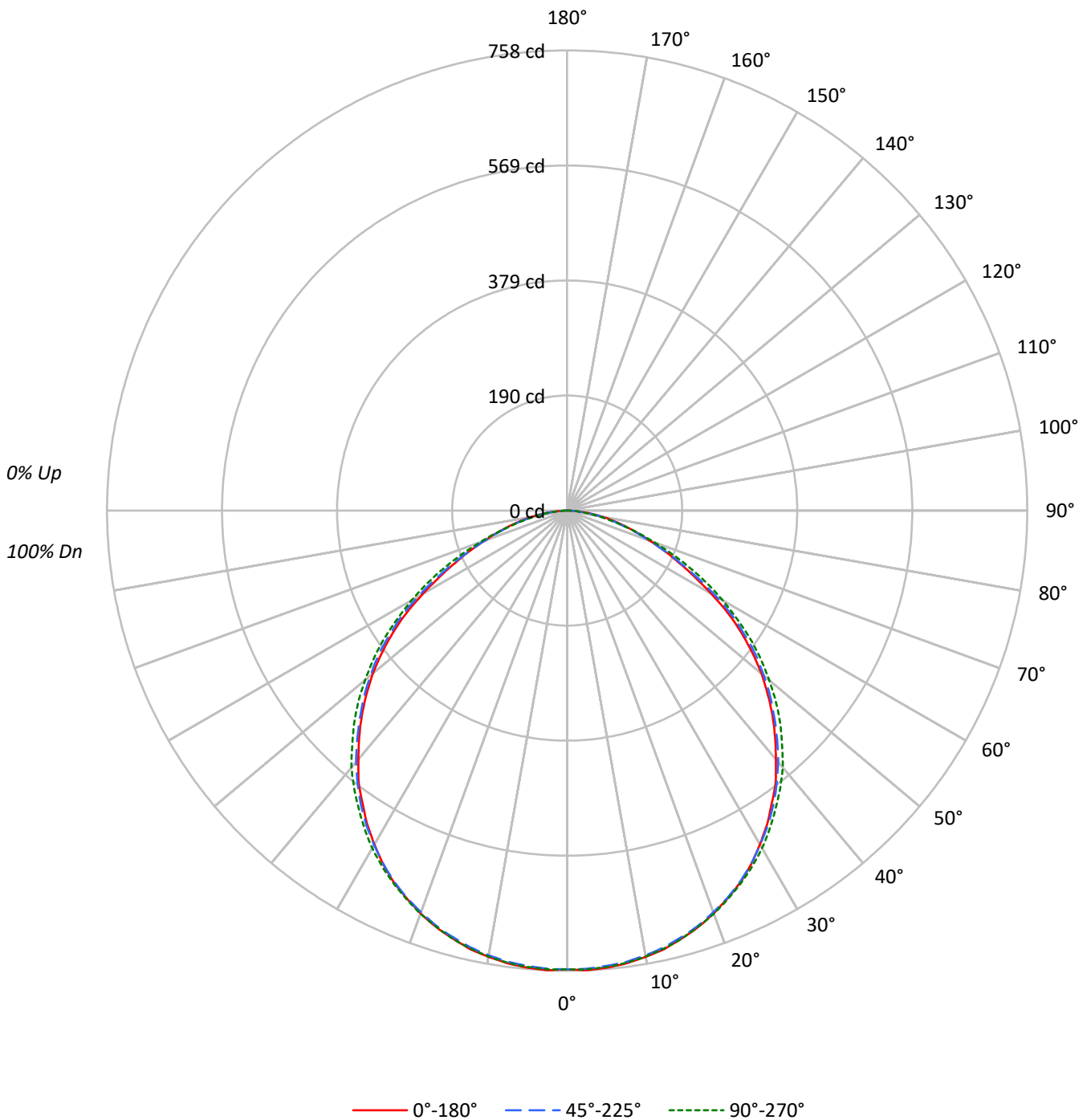
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1991.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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: P738047
CATALOG NUMBER: 22PT-20-PL1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738047

CATALOG NUMBER: 22PT-20-PL1-L830

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	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	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
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°	2214	2214	2214
5°	2223	2214	2220
10°	2221	2213	2219
15°	2213	2207	2214
20°	2202	2195	2204
25°	2184	2180	2189
30°	2148	2152	2173
35°	2103	2118	2142
40°	2045	2069	2114
45°	1983	2000	2057
50°	1904	1927	1980
55°	1788	1824	1880
60°	1608	1662	1733
65°	1408	1437	1545
70°	1236	1226	1305
75°	1112	1065	1069
80°	997	945	842
85°	790	780	642



TEST NUMBER: P738047

CATALOG NUMBER: 22PT-20-PL1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.6
10°-20°	205.5	10.3
20°-30°	310.8	15.6
30°-40°	370.6	18.6
40°-50°	374.2	18.8
50°-60°	319.2	16.0
60°-70°	209.8	10.5
70°-80°	102.7	5.2
80°-90°	26.5	1.3
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°	588.0	29.5
0°-40°	958.6	48.1
0°-60°	1652.1	83.0
0°-90°	1991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1991.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	756	754	753	753	755	72
15°	730	728	727	728	730	206
25°	676	674	674	675	677	311
35°	588	589	592	596	599	368
45°	478	480	483	492	496	369
55°	350	352	357	365	368	312
65°	203	203	207	217	223	203
75°	98	97	94	94	94	105
85°	24	24	23	21	19	28
90°	0	0	0	0	0	



TEST NUMBER: P738047

CATALOG NUMBER: 22PT-20-PL1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.7	755.7	755.7	755.7	755.7
2.5°	757.9	756.3	755.4	754.7	756.3
5°	755.7	754.1	752.8	752.8	754.7
7.5°	752.2	750.6	749.6	749.3	751.2
10°	746.5	744.6	743.9	743.6	745.8
12.5°	739.8	736.9	736.9	736.6	738.8
15°	729.6	728.3	727.4	727.7	729.9
17.5°	719.1	717.8	717.2	717.2	718.5
20°	706.1	704.5	703.9	704.5	706.7
22.5°	691.1	690.2	690.2	690.8	692.4
25°	675.6	674.0	674.3	675.2	677.2
27.5°	656.5	656.2	656.2	658.4	660.6
30°	634.9	634.9	636.1	639.3	642.2
32.5°	612.9	612.6	615.2	618.0	621.2
35°	587.8	589.4	592.0	596.1	598.9
37.5°	564.3	564.0	567.2	574.5	576.4
40°	534.7	537.0	540.8	548.1	552.8
42.5°	507.1	508.7	512.2	520.7	523.9
45°	478.5	479.7	482.6	492.1	496.3
47.5°	448.3	449.8	454.0	461.9	466.7
50°	417.7	420.0	422.8	430.5	434.3
52.5°	384.4	387.2	392.3	399.3	402.2
55°	350.0	351.9	357.0	365.3	368.1
57.5°	314.1	315.7	323.0	329.0	331.3
60°	274.4	276.3	283.6	293.1	295.7
62.5°	236.8	238.4	244.8	256.2	260.1
65°	203.1	203.1	207.3	216.8	222.9
67.5°	173.3	172.6	173.3	180.6	186.9
70°	144.3	144.7	143.1	147.5	152.3
72.5°	120.5	120.5	117.3	117.9	121.8
75°	98.2	97.3	94.1	93.5	94.4
77.5°	78.5	76.9	74.4	72.5	70.3
80°	59.1	57.9	56.0	53.1	49.9
82.5°	41.3	40.1	38.8	37.2	34.0
85°	23.5	23.5	23.2	21.3	19.1
87.5°	9.5	9.2	8.9	8.6	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)