

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: P738321

Luminaire Tested: **22PT-20-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PW1-L840
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

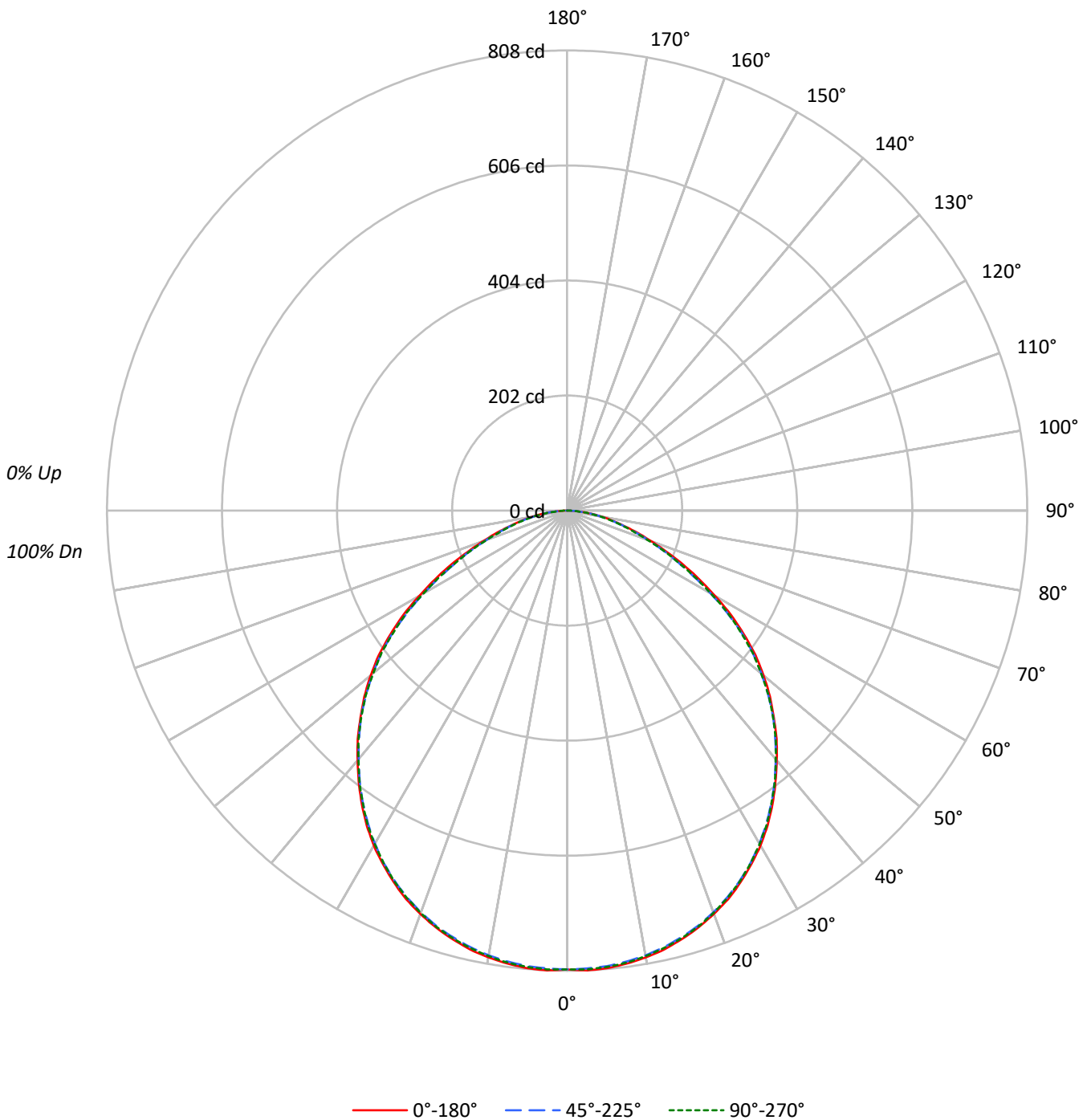
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2098.0 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
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

TEST NUMBER: P738321
CATALOG NUMBER: 22PT-20-PW1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P738321

CATALOG NUMBER: 22PT-20-PW1-L840

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	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	2360	2360	2360
5°	2372	2362	2366
10°	2370	2359	2364
15°	2363	2352	2358
20°	2350	2340	2344
25°	2329	2319	2322
30°	2298	2284	2287
35°	2250	2237	2239
40°	2190	2178	2180
45°	2126	2119	2116
50°	2053	2030	2024
55°	1934	1909	1898
60°	1756	1705	1709
65°	1561	1488	1488
70°	1338	1289	1279
75°	1160	1134	1109
80°	1044	1002	982
85°	830	837	790



TEST NUMBER: P738321

CATALOG NUMBER: 22PT-20-PW1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.6
10°-20°	219.1	10.4
20°-30°	330.5	15.8
30°-40°	391.4	18.7
40°-50°	394.0	18.8
50°-60°	333.2	15.9
60°-70°	216.6	10.3
70°-80°	107.8	5.1
80°-90°	29.0	1.4
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°	625.9	29.8
0°-40°	1017.3	48.5
0°-60°	1744.5	83.2
0°-90°	2098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	806	804	803	802	804	77
15°	779	776	776	775	777	220
25°	720	718	717	716	718	332
35°	629	626	625	625	626	393
45°	513	511	511	511	511	396
55°	379	375	374	372	372	338
65°	225	219	215	213	215	223
75°	102	102	100	98	98	111
85°	25	25	25	25	24	30
90°	0	0	0	0	0	



TEST NUMBER: P738321

CATALOG NUMBER: 22PT-20-PW1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.6	805.6	805.6	805.6	805.6
2.5°	808.3	805.6	804.7	804.2	806.3
5°	806.5	803.5	802.9	802.4	804.5
7.5°	802.4	799.7	798.7	798.5	800.6
10°	796.7	794.0	792.8	792.4	794.4
12.5°	789.4	786.4	785.3	784.8	786.6
15°	778.9	776.4	775.5	775.2	777.3
17.5°	767.5	765.0	764.5	763.8	765.9
20°	753.8	751.3	750.6	749.7	751.7
22.5°	738.7	735.7	734.8	734.1	735.7
25°	720.4	717.9	717.2	716.5	718.1
27.5°	700.3	698.5	697.6	696.9	697.8
30°	679.3	676.1	675.0	674.5	675.9
32.5°	655.1	652.8	651.2	651.0	652.6
35°	628.9	626.1	625.4	625.4	625.9
37.5°	601.0	599.6	598.5	597.8	599.2
40°	572.5	572.0	569.5	569.3	569.9
42.5°	544.4	542.5	540.7	541.6	542.1
45°	513.1	511.3	511.3	510.6	510.6
47.5°	482.9	481.1	478.6	478.8	479.3
50°	450.3	448.0	445.3	446.9	444.1
52.5°	417.0	412.8	410.8	410.8	410.6
55°	378.6	375.4	373.6	372.0	371.5
57.5°	341.6	336.8	332.2	332.7	334.3
60°	299.6	297.3	290.9	291.4	291.6
62.5°	261.7	257.3	250.7	250.7	253.0
65°	225.1	219.0	214.6	213.0	214.6
67.5°	189.3	185.9	182.2	179.7	182.0
70°	156.2	154.4	150.5	148.0	149.3
72.5°	129.2	126.7	123.5	122.2	120.8
75°	102.5	102.5	100.2	97.5	98.0
77.5°	80.8	80.1	78.6	77.4	77.4
80°	61.9	61.2	59.4	58.9	58.2
82.5°	42.7	42.9	42.0	41.3	40.4
85°	24.7	25.1	24.9	24.9	23.5
87.5°	10.5	9.6	10.3	10.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)