

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: P738066

Luminaire Tested: **22PT-20-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

Summary

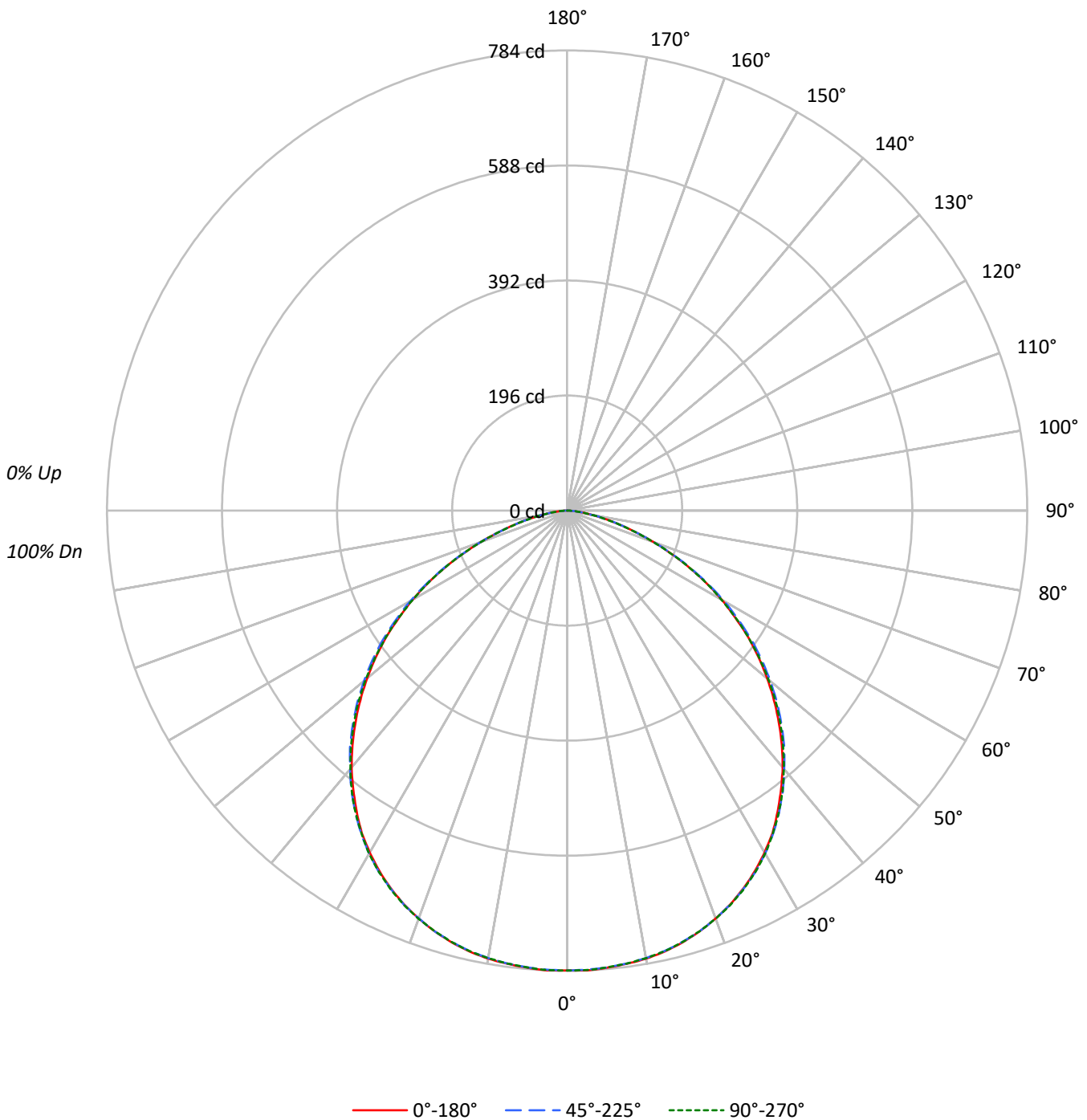
Lumens per Lamp: N/A
Luminaire Lumens: 2094.0 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
Input Voltage (V): NR
Input Current (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: P738066

CATALOG NUMBER: 22PT-20-PR1-L850

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	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		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	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
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°	2296	2296	2296
5°	2299	2298	2298
10°	2307	2303	2303
15°	2310	2307	2308
20°	2306	2306	2307
25°	2297	2299	2301
30°	2276	2283	2284
35°	2237	2250	2248
40°	2185	2200	2197
45°	2113	2141	2129
50°	2028	2059	2042
55°	1925	1955	1927
60°	1784	1809	1778
65°	1592	1608	1590
70°	1339	1339	1330
75°	1049	1049	1038
80°	768	759	756
85°	501	501	511



TEST NUMBER: P738066

CATALOG NUMBER: 22PT-20-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.6
10°-20°	214.8	10.3
20°-30°	327.6	15.6
30°-40°	392.6	18.7
40°-50°	396.5	18.9
50°-60°	339.2	16.2
60°-70°	228.8	10.9
70°-80°	100.9	4.8
80°-90°	19.4	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°	616.7	29.4
0°-40°	1009.2	48.2
0°-60°	1745.0	83.3
0°-90°	2094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	782	781	781	781	781	74
15°	761	761	761	760	761	215
25°	710	711	711	711	712	327
35°	626	629	629	628	629	391
45°	510	514	517	516	514	393
55°	377	380	383	382	377	336
65°	230	232	232	232	229	227
75°	93	93	93	93	92	101
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.6	783.6	783.6	783.6	783.6
2.5°	784.2	783.1	782.8	782.6	783.6
5°	781.8	780.8	781.3	780.8	781.3
7.5°	778.9	777.9	778.2	777.6	778.2
10°	775.3	774.2	774.2	773.7	774.2
12.5°	769.5	768.7	768.4	767.9	768.7
15°	761.4	761.1	760.6	760.3	760.8
17.5°	751.5	750.9	751.5	750.7	751.2
20°	739.7	740.0	739.4	739.7	740.0
22.5°	726.3	726.3	726.6	726.6	727.1
25°	710.4	711.1	711.1	711.1	711.7
27.5°	692.6	693.6	694.3	693.8	694.3
30°	672.6	674.5	674.7	674.5	675.0
32.5°	651.2	652.5	653.2	652.7	652.2
35°	625.5	629.2	628.9	628.4	628.6
37.5°	598.5	602.2	603.5	602.4	602.7
40°	571.3	574.5	575.2	575.5	574.5
42.5°	541.2	544.9	547.7	546.4	544.9
45°	510.0	513.9	516.6	515.8	513.9
47.5°	477.9	481.5	485.2	483.8	482.1
50°	444.9	448.5	451.6	451.1	448.0
52.5°	411.1	415.3	418.1	417.1	412.9
55°	376.8	380.2	382.8	382.3	377.3
57.5°	339.6	344.0	345.4	344.5	340.9
60°	304.5	307.4	308.7	307.6	303.4
62.5°	267.0	269.4	270.4	270.2	267.3
65°	229.6	231.5	232.0	231.5	229.3
67.5°	191.2	193.8	194.0	194.0	191.9
70°	156.3	157.1	156.3	158.4	155.3
72.5°	122.5	123.0	122.5	122.5	121.2
75°	92.7	92.9	92.7	92.9	91.7
77.5°	67.0	67.5	66.5	67.3	66.0
80°	45.5	45.5	45.0	45.3	44.8
82.5°	28.3	28.8	28.0	28.0	27.8
85°	14.9	14.9	14.9	15.2	15.2
87.5°	5.2	5.2	5.5	5.5	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)