

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: P738126

Luminaire Tested: **22PT-25-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738126
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-25-PW1-L950
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

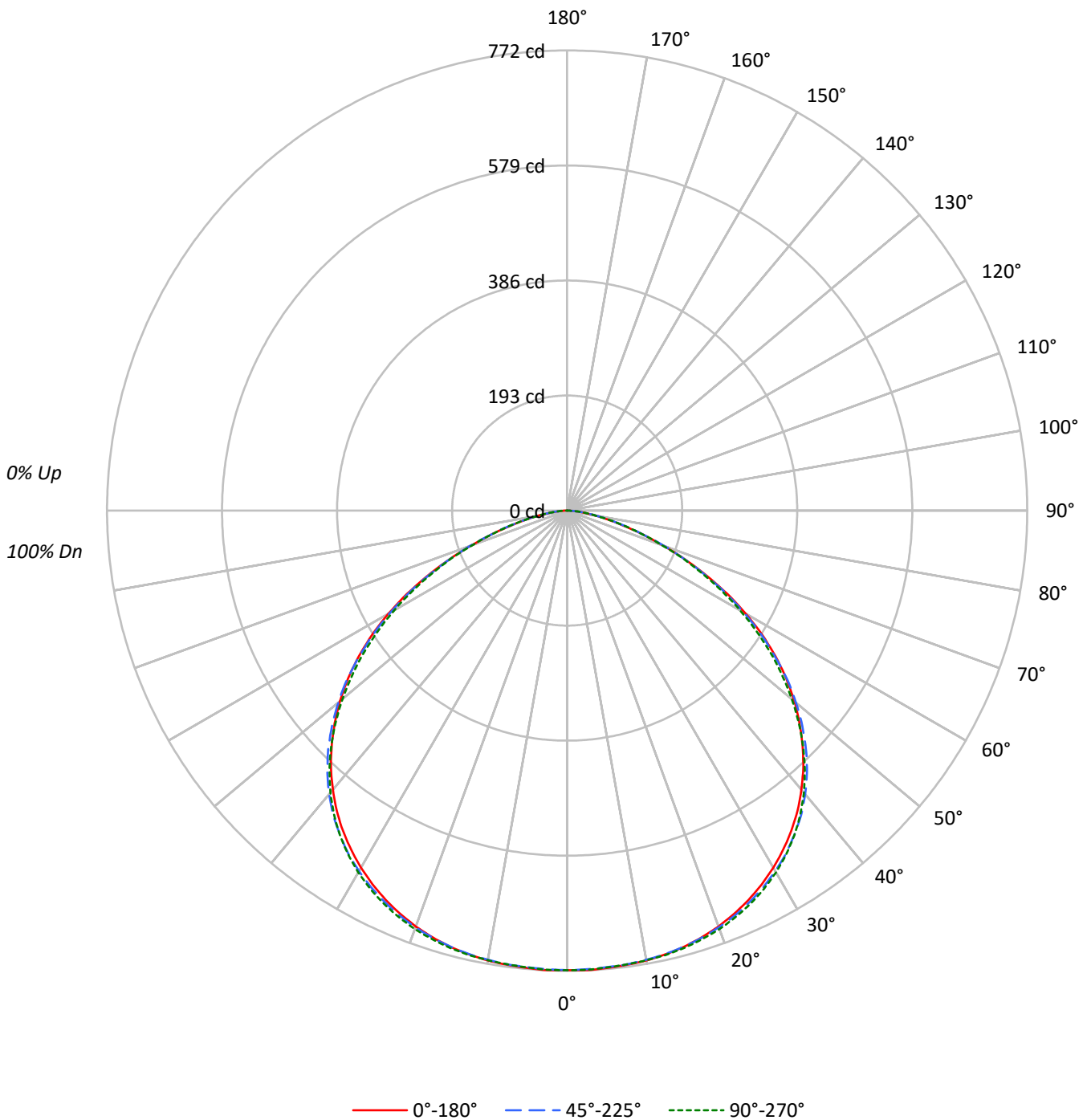
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2229.0 lumens
Efficiency: N/A
Efficacy: 119.8 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): 18.6
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: P738126
CATALOG NUMBER: 22PT-25-PW1-L950

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°	2259	2259	2259
5°	2265	2262	2263
10°	2280	2277	2279
15°	2298	2298	2304
20°	2315	2320	2330
25°	2329	2342	2353
30°	2341	2363	2371
35°	2346	2377	2378
40°	2339	2377	2363
45°	2316	2349	2320
50°	2269	2285	2244
55°	2181	2171	2130
60°	2030	2008	1965
65°	1790	1773	1739
70°	1467	1474	1443
75°	1111	1148	1139
80°	805	837	823
85°	528	548	585



TEST NUMBER: P738126

CATALOG NUMBER: 22PT-25-PW1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	3.3
10°-20°	214.2	9.6
20°-30°	333.9	15.0
30°-40°	413.8	18.6
40°-50°	433.0	19.4
50°-60°	377.3	16.9
60°-70°	252.8	11.3
70°-80°	109.6	4.9
80°-90°	21.1	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°	621.4	27.9
0°-40°	1035.2	46.4
0°-60°	1845.5	82.8
0°-90°	2229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	771	771	771	771	771	
5°	770	769	769	769	769	73
15°	758	756	757	758	760	214
25°	720	721	724	727	728	332
35°	656	658	664	665	665	410
45°	559	562	567	562	560	430
55°	427	427	425	420	417	380
65°	258	257	256	253	251	255
75°	98	100	101	101	101	108
85°	16	17	16	17	17	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	771.1	771.1	771.1	771.1	771.1
2.5°	771.9	770.5	770.2	770.2	771.1
5°	770.2	769.4	769.1	768.9	769.4
7.5°	768.6	767.5	767.8	767.2	767.8
10°	766.4	765.3	765.3	765.3	766.1
12.5°	762.6	761.7	762.0	762.6	763.7
15°	757.6	756.5	757.4	758.2	759.5
17.5°	750.7	749.9	751.3	752.7	753.8
20°	742.5	741.6	744.1	746.1	747.2
22.5°	732.2	732.0	735.3	737.5	738.3
25°	720.4	720.6	724.5	726.7	727.8
27.5°	706.9	707.5	712.4	714.3	715.4
30°	691.8	693.1	698.4	700.0	700.9
32.5°	674.6	676.6	682.9	684.0	684.0
35°	655.9	658.4	664.4	665.2	664.7
37.5°	635.0	637.7	644.6	643.5	642.7
40°	611.5	614.5	621.4	619.2	617.9
42.5°	586.5	589.5	595.6	592.3	590.3
45°	558.9	561.9	566.9	562.2	560.0
47.5°	529.1	532.7	535.2	530.0	527.2
50°	497.7	498.8	501.3	495.3	492.2
52.5°	463.5	463.5	465.5	458.8	455.2
55°	426.9	426.6	425.0	420.3	417.0
57.5°	388.1	386.4	385.3	380.3	376.5
60°	346.4	343.9	342.6	338.4	335.4
62.5°	302.9	301.5	299.8	296.5	293.2
65°	258.2	256.8	255.7	253.3	250.8
67.5°	213.9	213.0	213.0	211.4	211.1
70°	171.2	171.7	172.0	172.0	168.4
72.5°	132.6	132.8	134.2	133.1	132.8
75°	98.1	99.8	101.4	100.6	100.6
77.5°	70.6	73.1	73.1	72.5	71.7
80°	47.7	48.8	49.6	49.3	48.8
82.5°	30.3	31.1	30.3	30.8	31.1
85°	15.7	16.8	16.3	16.6	17.4
87.5°	5.2	5.8	6.1	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)