

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: P738109

Luminaire Tested: **22PT-25-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PP3-L940
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

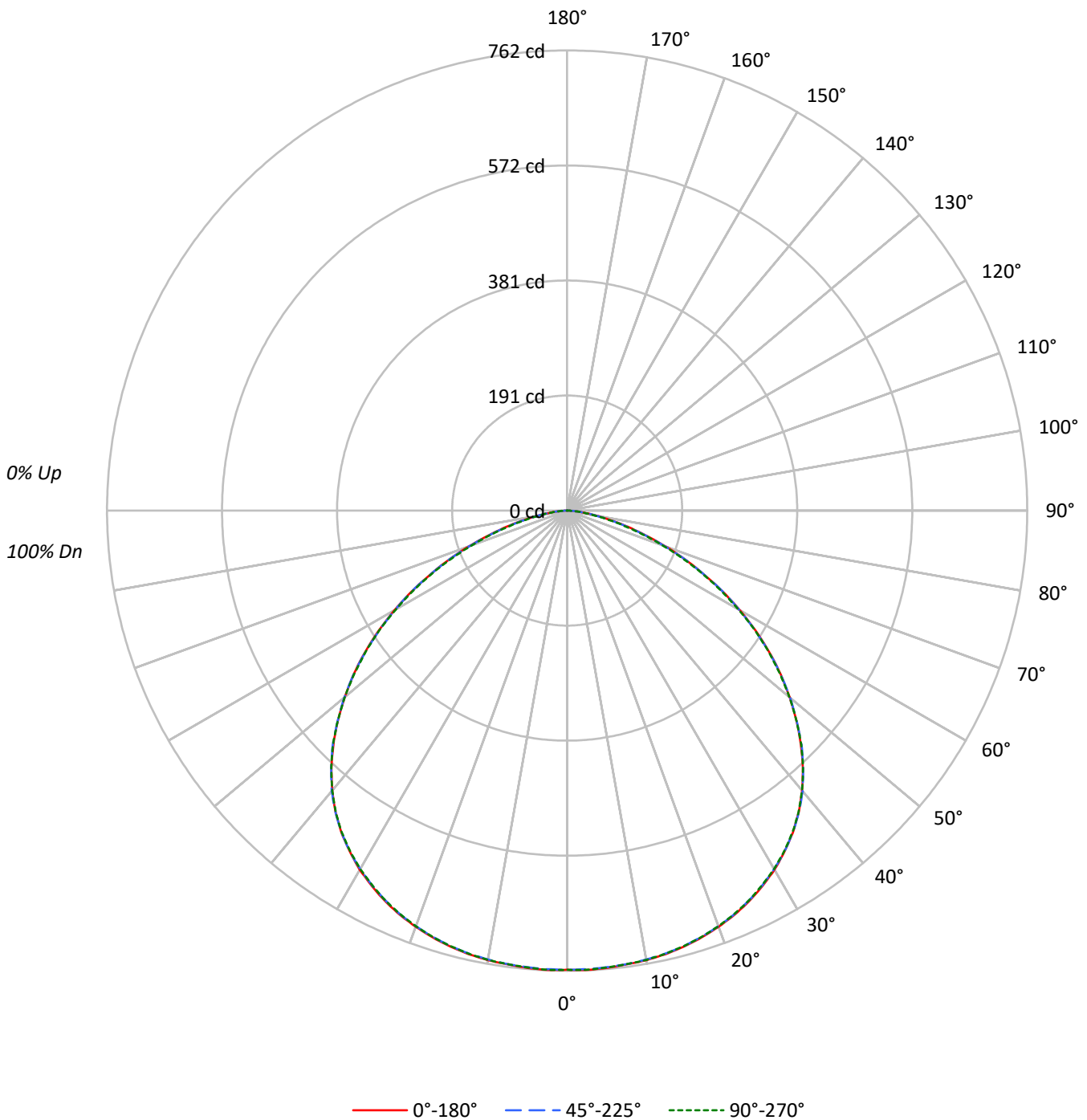
Lumens per Lamp: N/A
Luminaire Lumens: 2182.0 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 18.6
Input Voltage (V): NR
Input Current (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: P738109

CATALOG NUMBER: 22PT-25-PP3-L940

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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	2228	2228	2228
5°	2235	2232	2234
10°	2249	2246	2248
15°	2267	2264	2264
20°	2287	2284	2284
25°	2307	2303	2303
30°	2323	2319	2318
35°	2330	2330	2327
40°	2314	2319	2314
45°	2269	2275	2272
50°	2193	2196	2190
55°	2087	2082	2078
60°	1937	1933	1918
65°	1731	1729	1709
70°	1480	1470	1438
75°	1179	1145	1109
80°	840	823	780
85°	545	545	528



TEST NUMBER: P738109

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	3.3
10°-20°	211.0	9.7
20°-30°	328.5	15.1
30°-40°	406.6	18.6
40°-50°	421.6	19.3
50°-60°	363.4	16.7
60°-70°	247.1	11.3
70°-80°	110.6	5.1
80°-90°	21.0	1.0
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°	611.8	28.0
0°-40°	1018.4	46.7
0°-60°	1803.4	82.6
0°-90°	2182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	760	758	759	759	760	72
15°	747	746	746	746	746	211
25°	714	712	712	712	712	329
35°	651	650	651	650	650	407
45°	548	547	549	548	548	421
55°	409	407	408	407	407	364
65°	250	252	249	249	246	248
75°	104	104	101	101	98	112
85°	16	17	16	16	16	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	760.5	760.5	760.5	760.5	760.5
2.5°	761.6	760.0	760.0	760.3	761.1
5°	760.0	758.5	759.0	758.7	759.5
7.5°	758.0	756.7	757.5	756.9	757.5
10°	755.9	754.7	754.9	754.7	755.4
12.5°	752.4	750.9	751.4	751.4	751.7
15°	747.3	746.0	746.5	746.0	746.5
17.5°	741.2	739.7	740.0	739.7	740.2
20°	733.4	732.4	732.6	732.1	732.4
22.5°	724.5	723.2	723.5	723.0	723.0
25°	713.6	712.5	712.3	712.0	712.3
27.5°	700.8	699.6	699.6	699.3	699.3
30°	686.7	685.4	685.4	685.1	685.1
32.5°	669.8	669.3	669.6	669.1	668.8
35°	651.3	650.5	651.3	650.3	650.5
37.5°	629.8	628.8	630.2	629.3	629.5
40°	605.1	604.6	606.4	605.6	605.1
42.5°	577.7	577.7	578.5	578.7	578.2
45°	547.5	547.0	549.0	547.7	548.2
47.5°	515.0	514.2	515.7	515.5	515.2
50°	481.0	480.4	481.7	480.4	480.4
52.5°	445.7	445.4	445.7	444.4	444.1
55°	408.6	407.1	407.6	406.8	406.8
57.5°	370.0	368.2	368.5	368.2	368.5
60°	330.6	330.1	329.9	328.6	327.3
62.5°	290.3	290.8	290.5	288.7	287.4
65°	249.6	251.7	249.4	248.6	246.5
67.5°	211.3	212.0	210.5	208.7	206.5
70°	172.7	174.2	171.6	169.8	167.9
72.5°	135.9	136.9	134.6	133.6	131.0
75°	104.1	104.4	101.1	100.6	98.0
77.5°	74.1	75.1	72.6	72.6	70.1
80°	49.8	51.6	48.8	48.0	46.2
82.5°	31.3	31.5	30.7	30.0	29.2
85°	16.2	16.7	16.2	15.7	15.7
87.5°	6.1	6.3	6.1	5.8	6.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)