

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: P738331

Luminaire Tested: **22PT-25-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738331
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-25-PW1-L930
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

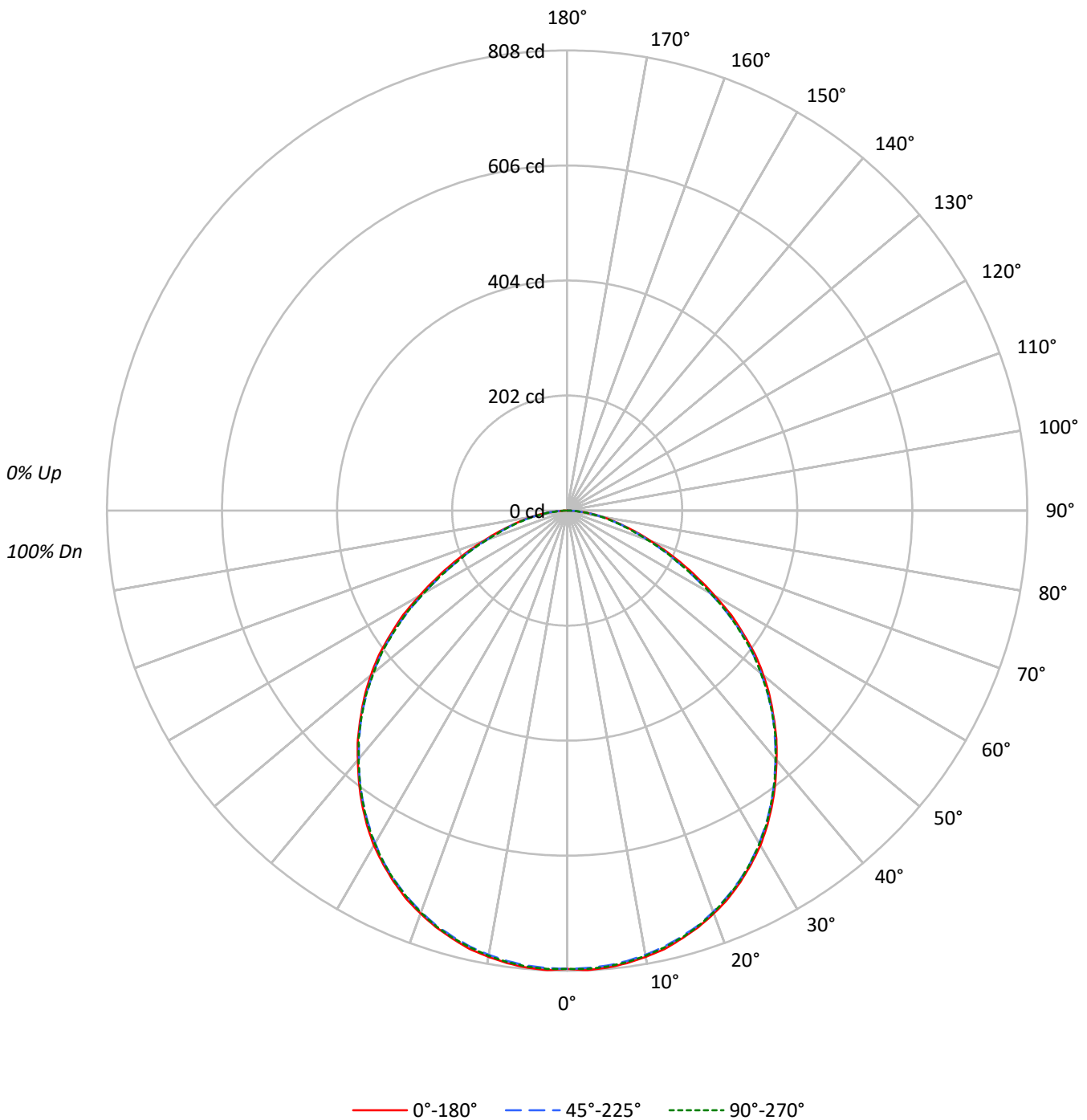
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2096.0 lumens
Efficiency: N/A
Efficacy: 112.7 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): 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

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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46					46			
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40					40			
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36					36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32					32			
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2358	2358	2358
5°	2370	2359	2364
10°	2368	2357	2361
15°	2360	2350	2355
20°	2348	2338	2342
25°	2327	2316	2320
30°	2296	2281	2285
35°	2247	2235	2237
40°	2187	2176	2178
45°	2124	2117	2114
50°	2051	2028	2023
55°	1932	1906	1896
60°	1754	1703	1707
65°	1559	1486	1486
70°	1336	1288	1278
75°	1159	1133	1108
80°	1043	1001	982
85°	827	837	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.6
10°-20°	218.8	10.4
20°-30°	330.2	15.8
30°-40°	391.0	18.7
40°-50°	393.6	18.8
50°-60°	332.8	15.9
60°-70°	216.4	10.3
70°-80°	107.7	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°	625.3	29.8
0°-40°	1016.3	48.5
0°-60°	1742.8	83.2
0°-90°	2096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	806	803	802	802	804	77
15°	778	776	775	774	776	220
25°	720	717	716	716	718	331
35°	628	626	625	625	625	393
45°	513	511	511	510	510	396
55°	378	375	373	372	371	338
65°	225	219	214	213	214	223
75°	102	102	100	97	98	111
85°	25	25	25	25	24	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.8	804.8	804.8	804.8	804.8
2.5°	807.6	804.8	803.9	803.5	805.5
5°	805.7	802.8	802.1	801.6	803.7
7.5°	801.6	798.9	798.0	797.8	799.8
10°	795.9	793.2	792.1	791.6	793.7
12.5°	788.6	785.7	784.5	784.1	785.9
15°	778.1	775.6	774.7	774.5	776.5
17.5°	766.7	764.2	763.8	763.1	765.1
20°	753.0	750.5	749.9	748.9	751.0
22.5°	738.0	735.0	734.1	733.4	735.0
25°	719.7	717.2	716.5	715.9	717.5
27.5°	699.7	697.8	696.9	696.2	697.2
30°	678.7	675.5	674.3	673.9	675.3
32.5°	654.5	652.2	650.6	650.4	652.0
35°	628.3	625.5	624.8	624.8	625.3
37.5°	600.4	599.1	597.9	597.2	598.6
40°	571.9	571.5	568.9	568.7	569.4
42.5°	543.9	542.0	540.2	541.1	541.6
45°	512.6	510.8	510.8	510.1	510.1
47.5°	482.5	480.7	478.2	478.4	478.8
50°	449.9	447.6	444.8	446.4	443.7
52.5°	416.6	412.5	410.4	410.4	410.2
55°	378.2	375.0	373.2	371.6	371.2
57.5°	341.3	336.5	331.9	332.4	334.0
60°	299.3	297.0	290.6	291.1	291.3
62.5°	261.4	257.1	250.5	250.5	252.8
65°	224.9	218.8	214.4	212.8	214.4
67.5°	189.1	185.7	182.0	179.5	181.8
70°	156.0	154.2	150.3	147.8	149.2
72.5°	129.1	126.6	123.4	122.0	120.7
75°	102.4	102.4	100.1	97.4	97.9
77.5°	80.8	80.1	78.5	77.3	77.3
80°	61.8	61.1	59.3	58.9	58.2
82.5°	42.7	42.9	42.0	41.3	40.4
85°	24.6	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)