

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: P738115

Luminaire Tested: **22PT-25-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738115
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-25-PR1-L930
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

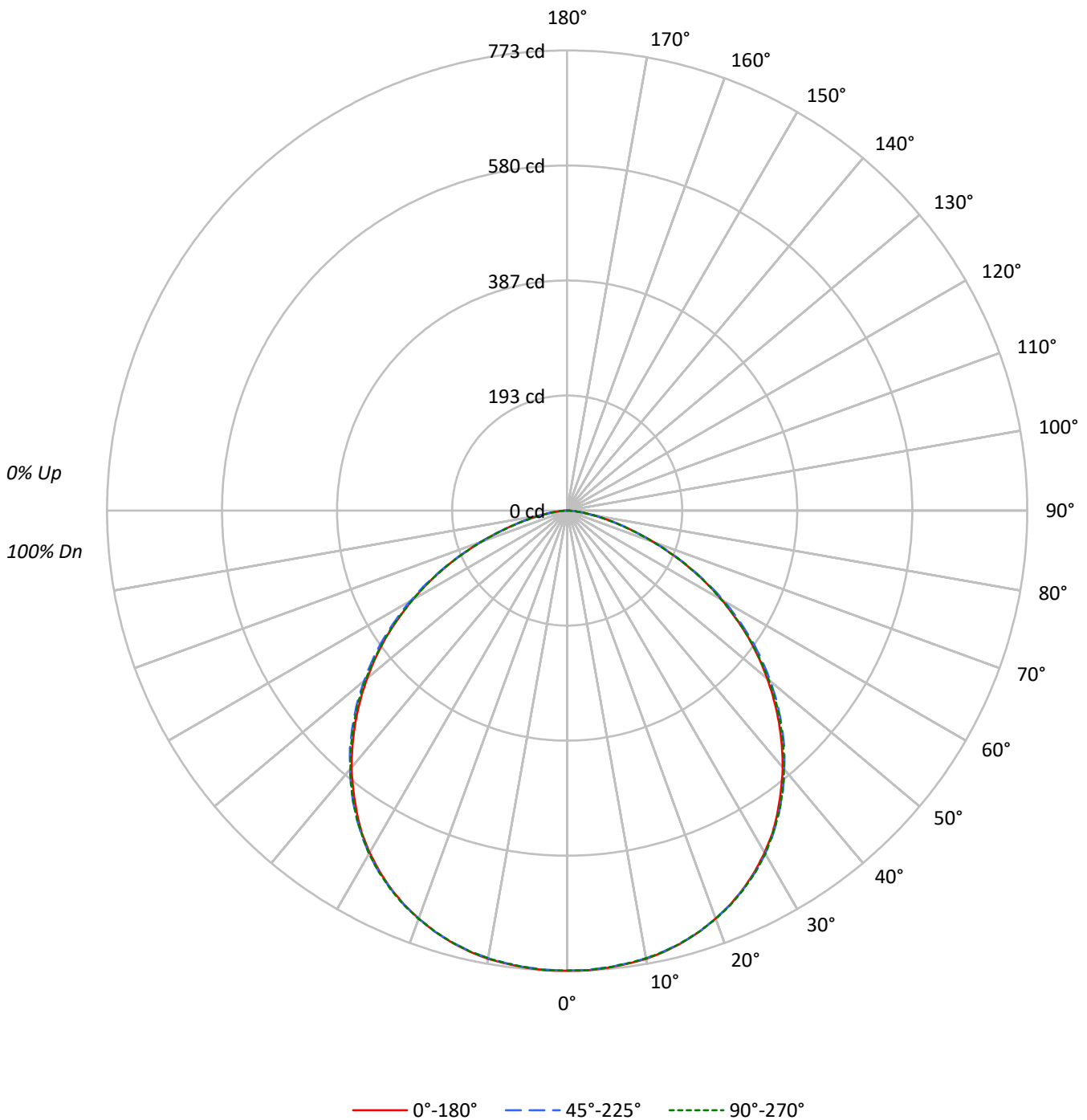
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2065.0 lumens
Efficiency: N/A
Efficacy: 111.0 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): 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: P738115
CATALOG NUMBER: 22PT-25-PR1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738115

CATALOG NUMBER: 22PT-25-PR1-L930

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°	2264	2264	2264
5°	2268	2266	2266
10°	2275	2272	2272
15°	2277	2275	2276
20°	2274	2274	2275
25°	2265	2267	2269
30°	2244	2251	2252
35°	2206	2218	2217
40°	2155	2169	2167
45°	2084	2111	2100
50°	2000	2030	2014
55°	1898	1928	1901
60°	1760	1784	1753
65°	1570	1586	1568
70°	1321	1321	1312
75°	1035	1035	1023
80°	758	749	746
85°	494	494	504



TEST NUMBER: P738115

CATALOG NUMBER: 22PT-25-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	3.6
10°-20°	211.8	10.3
20°-30°	323.0	15.6
30°-40°	387.1	18.7
40°-50°	391.0	18.9
50°-60°	334.5	16.2
60°-70°	225.6	10.9
70°-80°	99.5	4.8
80°-90°	19.1	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°	608.1	29.4
0°-40°	995.3	48.2
0°-60°	1720.8	83.3
0°-90°	2065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	771	770	770	770	770	73
15°	751	751	750	750	750	212
25°	700	701	701	701	702	323
35°	617	620	620	620	620	385
45°	503	507	509	509	507	388
55°	372	375	378	377	372	331
65°	226	228	229	228	226	224
75°	91	92	91	92	90	100
85°	15	15	15	15	15	19
90°	0	0	0	0	0	



TEST NUMBER: P738115

CATALOG NUMBER: 22PT-25-PR1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	772.8	772.8	772.8	772.8	772.8
2.5°	773.3	772.3	772.0	771.8	772.8
5°	771.0	770.0	770.5	770.0	770.5
7.5°	768.1	767.1	767.4	766.8	767.4
10°	764.6	763.5	763.5	763.0	763.5
12.5°	758.8	758.1	757.8	757.3	758.1
15°	750.8	750.6	750.1	749.8	750.3
17.5°	741.1	740.5	741.1	740.3	740.8
20°	729.4	729.7	729.2	729.4	729.7
22.5°	716.2	716.2	716.5	716.5	717.0
25°	700.5	701.2	701.2	701.2	701.8
27.5°	683.0	684.0	684.7	684.2	684.7
30°	663.3	665.1	665.4	665.1	665.7
32.5°	642.1	643.4	644.2	643.7	643.2
35°	616.8	620.4	620.2	619.6	619.9
37.5°	590.2	593.9	595.1	594.1	594.4
40°	563.4	566.5	567.2	567.5	566.5
42.5°	533.7	537.3	540.2	538.9	537.3
45°	503.0	506.8	509.4	508.6	506.8
47.5°	471.2	474.8	478.4	477.1	475.4
50°	438.7	442.3	445.4	444.9	441.8
52.5°	405.4	409.5	412.3	411.3	407.2
55°	371.6	374.9	377.5	377.0	372.1
57.5°	334.9	339.3	340.6	339.8	336.2
60°	300.3	303.2	304.4	303.4	299.2
62.5°	263.3	265.7	266.7	266.5	263.6
65°	226.4	228.3	228.8	228.3	226.2
67.5°	188.5	191.1	191.4	191.4	189.2
70°	154.2	154.9	154.2	156.2	153.1
72.5°	120.8	121.3	120.8	120.8	119.5
75°	91.4	91.6	91.4	91.6	90.4
77.5°	66.1	66.6	65.6	66.4	65.1
80°	44.9	44.9	44.4	44.7	44.2
82.5°	27.9	28.4	27.7	27.7	27.4
85°	14.7	14.7	14.7	15.0	15.0
87.5°	5.2	5.2	5.4	5.4	5.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)