

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: P738118

Luminaire Tested: **22PT-25-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738118
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-L950
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

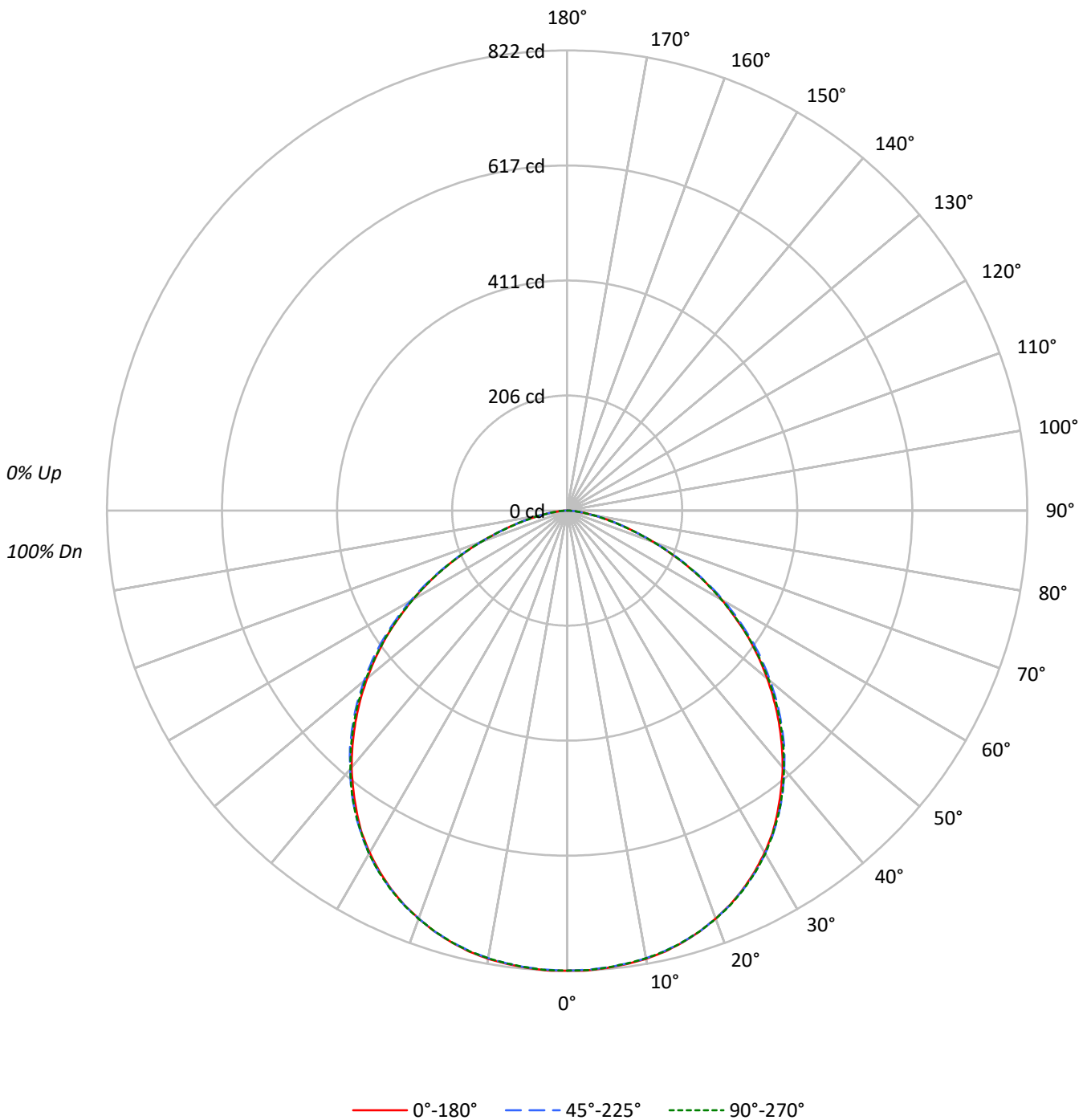
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.0 lumens
Efficiency: N/A
Efficacy: 118.1 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

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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	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°	2408	2408	2408
5°	2412	2410	2410
10°	2419	2416	2416
15°	2422	2420	2420
20°	2419	2418	2420
25°	2409	2411	2413
30°	2387	2394	2395
35°	2346	2359	2358
40°	2292	2307	2305
45°	2216	2245	2233
50°	2126	2159	2142
55°	2019	2051	2021
60°	1871	1897	1865
65°	1669	1687	1667
70°	1404	1404	1396
75°	1100	1100	1088
80°	807	796	793
85°	524	524	535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	3.6
10°-20°	225.2	10.3
20°-30°	343.5	15.6
30°-40°	411.7	18.7
40°-50°	415.8	18.9
50°-60°	355.7	16.2
60°-70°	239.9	10.9
70°-80°	105.8	4.8
80°-90°	20.3	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°	646.7	29.4
0°-40°	1058.4	48.2
0°-60°	1829.9	83.3
0°-90°	2196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	820	819	819	819	819	78
15°	798	798	798	797	798	225
25°	745	746	746	746	746	343
35°	656	660	660	659	659	410
45°	535	539	542	541	539	412
55°	395	399	401	401	396	352
65°	241	243	243	243	240	238
75°	97	98	97	98	96	106
85°	16	16	16	16	16	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	821.8	821.8	821.8	821.8	821.8
2.5°	822.4	821.3	821.0	820.7	821.8
5°	819.9	818.8	819.3	818.8	819.3
7.5°	816.9	815.8	816.1	815.5	816.1
10°	813.1	811.9	811.9	811.4	811.9
12.5°	807.0	806.2	805.9	805.3	806.2
15°	798.4	798.2	797.7	797.4	797.9
17.5°	788.1	787.5	788.1	787.2	787.8
20°	775.7	776.0	775.5	775.7	776.0
22.5°	761.7	761.7	762.0	762.0	762.5
25°	745.0	745.7	745.7	745.7	746.3
27.5°	726.3	727.4	728.2	727.6	728.2
30°	705.4	707.3	707.6	707.3	707.9
32.5°	682.9	684.3	685.0	684.5	684.0
35°	655.9	659.8	659.6	659.0	659.3
37.5°	627.7	631.6	632.9	631.8	632.1
40°	599.1	602.5	603.2	603.5	602.5
42.5°	567.5	571.4	574.4	573.0	571.4
45°	534.9	539.0	541.8	540.9	539.0
47.5°	501.1	504.9	508.8	507.4	505.5
50°	466.5	470.3	473.6	473.1	469.8
52.5°	431.1	435.5	438.5	437.4	433.0
55°	395.2	398.7	401.4	400.9	395.7
57.5°	356.1	360.8	362.2	361.3	357.5
60°	319.3	322.4	323.7	322.6	318.2
62.5°	280.1	282.5	283.6	283.4	280.4
65°	240.8	242.7	243.3	242.7	240.5
67.5°	200.5	203.2	203.5	203.5	201.3
70°	163.9	164.7	163.9	166.1	162.9
72.5°	128.5	129.0	128.5	128.5	127.1
75°	97.2	97.5	97.2	97.5	96.1
77.5°	70.3	70.8	69.7	70.6	69.2
80°	47.8	47.8	47.2	47.5	47.0
82.5°	29.6	30.2	29.4	29.4	29.1
85°	15.6	15.6	15.6	15.9	15.9
87.5°	5.5	5.5	5.7	5.7	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)