

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: P738334

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

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738334
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-L950
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

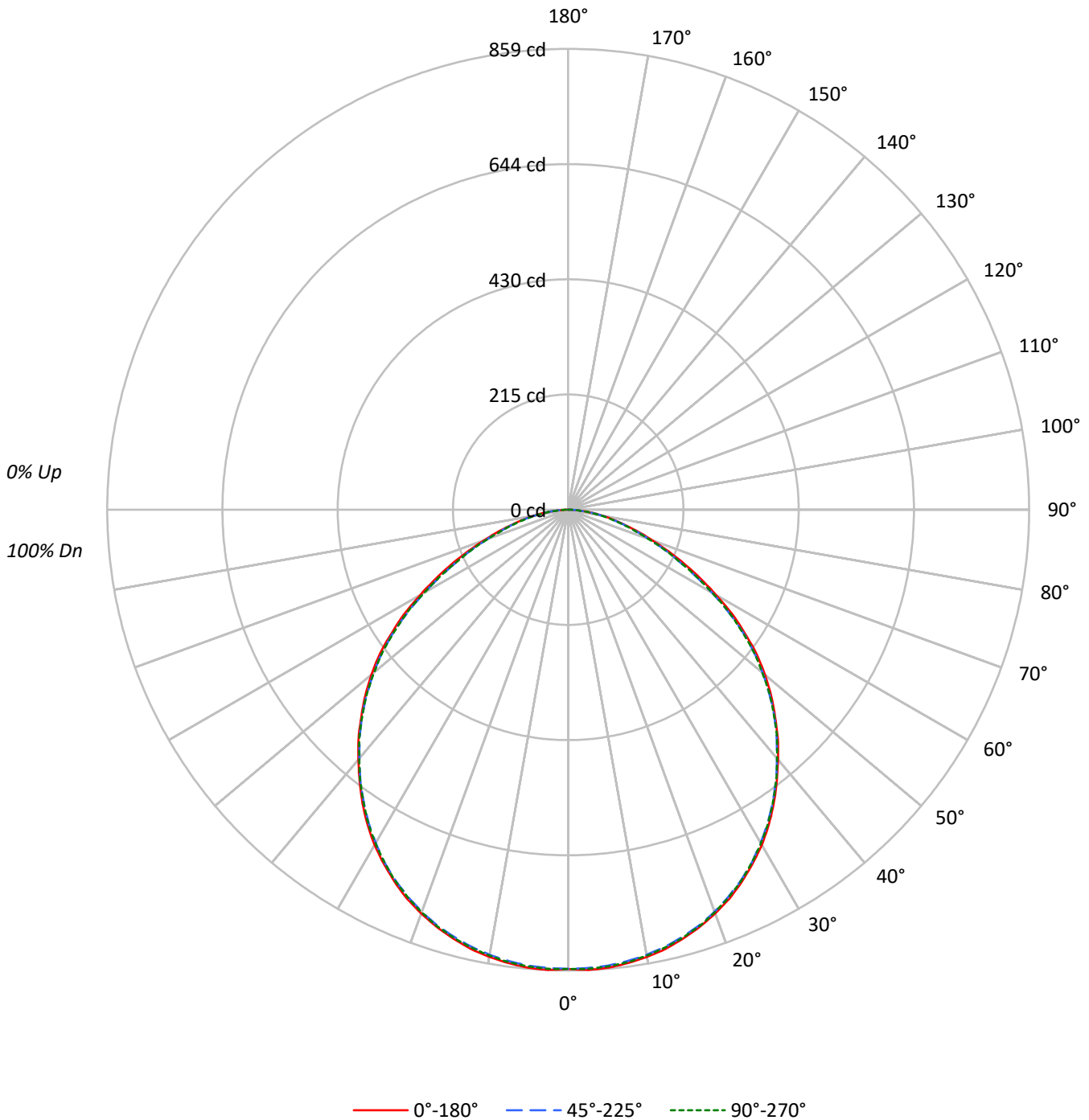
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2229.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 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	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	86	80	97	90	84	79	87	82	77		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	64		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	72	59	50	44	70	58	49	43	56	48	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38		49	43	38		48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31		42	35	31		41	35	31	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°	2508	2508	2508
5°	2520	2509	2514
10°	2518	2506	2511
15°	2510	2499	2505
20°	2497	2486	2490
25°	2475	2464	2467
30°	2442	2426	2430
35°	2390	2377	2379
40°	2326	2314	2316
45°	2259	2251	2248
50°	2181	2157	2151
55°	2055	2028	2016
60°	1865	1811	1815
65°	1658	1581	1581
70°	1421	1370	1360
75°	1233	1206	1179
80°	1109	1065	1044
85°	881	888	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	3.6
10°-20°	232.7	10.4
20°-30°	351.1	15.8
30°-40°	415.8	18.7
40°-50°	418.6	18.8
50°-60°	354.0	15.9
60°-70°	230.2	10.3
70°-80°	114.5	5.1
80°-90°	30.9	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°	665.0	29.8
0°-40°	1080.8	48.5
0°-60°	1853.4	83.2
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°	856	856	856	856	856	
5°	857	854	853	852	855	81
15°	828	825	824	824	826	234
25°	765	763	762	761	763	352
35°	668	665	664	664	665	418
45°	545	543	543	542	542	421
55°	402	399	397	395	395	359
65°	239	233	228	226	228	237
75°	109	109	106	104	104	118
85°	26	27	26	26	25	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.9	855.9	855.9	855.9	855.9
2.5°	858.8	855.9	854.9	854.4	856.6
5°	856.9	853.7	853.0	852.5	854.7
7.5°	852.5	849.6	848.6	848.4	850.6
10°	846.4	843.5	842.3	841.8	844.0
12.5°	838.7	835.5	834.3	833.8	835.8
15°	827.5	824.8	823.9	823.6	825.8
17.5°	815.4	812.7	812.2	811.5	813.7
20°	800.8	798.2	797.4	796.5	798.6
22.5°	784.8	781.7	780.7	780.0	781.7
25°	765.4	762.7	762.0	761.3	763.0
27.5°	744.1	742.1	741.2	740.4	741.4
30°	721.7	718.3	717.1	716.6	718.1
32.5°	696.0	693.6	691.9	691.7	693.4
35°	668.1	665.2	664.5	664.5	665.0
37.5°	638.5	637.1	635.9	635.1	636.6
40°	608.2	607.7	605.1	604.8	605.5
42.5°	578.4	576.4	574.5	575.5	575.9
45°	545.1	543.2	543.2	542.5	542.5
47.5°	513.1	511.2	508.5	508.7	509.2
50°	478.4	476.0	473.1	474.8	471.9
52.5°	443.0	438.6	436.4	436.4	436.2
55°	402.2	398.8	396.9	395.2	394.7
57.5°	362.9	357.8	353.0	353.5	355.2
60°	318.3	315.9	309.1	309.6	309.8
62.5°	278.0	273.4	266.4	266.4	268.8
65°	239.2	232.7	228.0	226.3	228.0
67.5°	201.1	197.5	193.6	190.9	193.4
70°	165.9	164.0	159.9	157.2	158.7
72.5°	137.3	134.6	131.2	129.8	128.3
75°	108.9	108.9	106.5	103.6	104.1
77.5°	85.9	85.2	83.5	82.2	82.2
80°	65.7	65.0	63.1	62.6	61.9
82.5°	45.4	45.6	44.6	43.9	42.9
85°	26.2	26.7	26.4	26.4	25.0
87.5°	11.2	10.2	10.9	10.7	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)