

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: P738081

Luminaire Tested: **22PT-25-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-25-PB1-L840
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

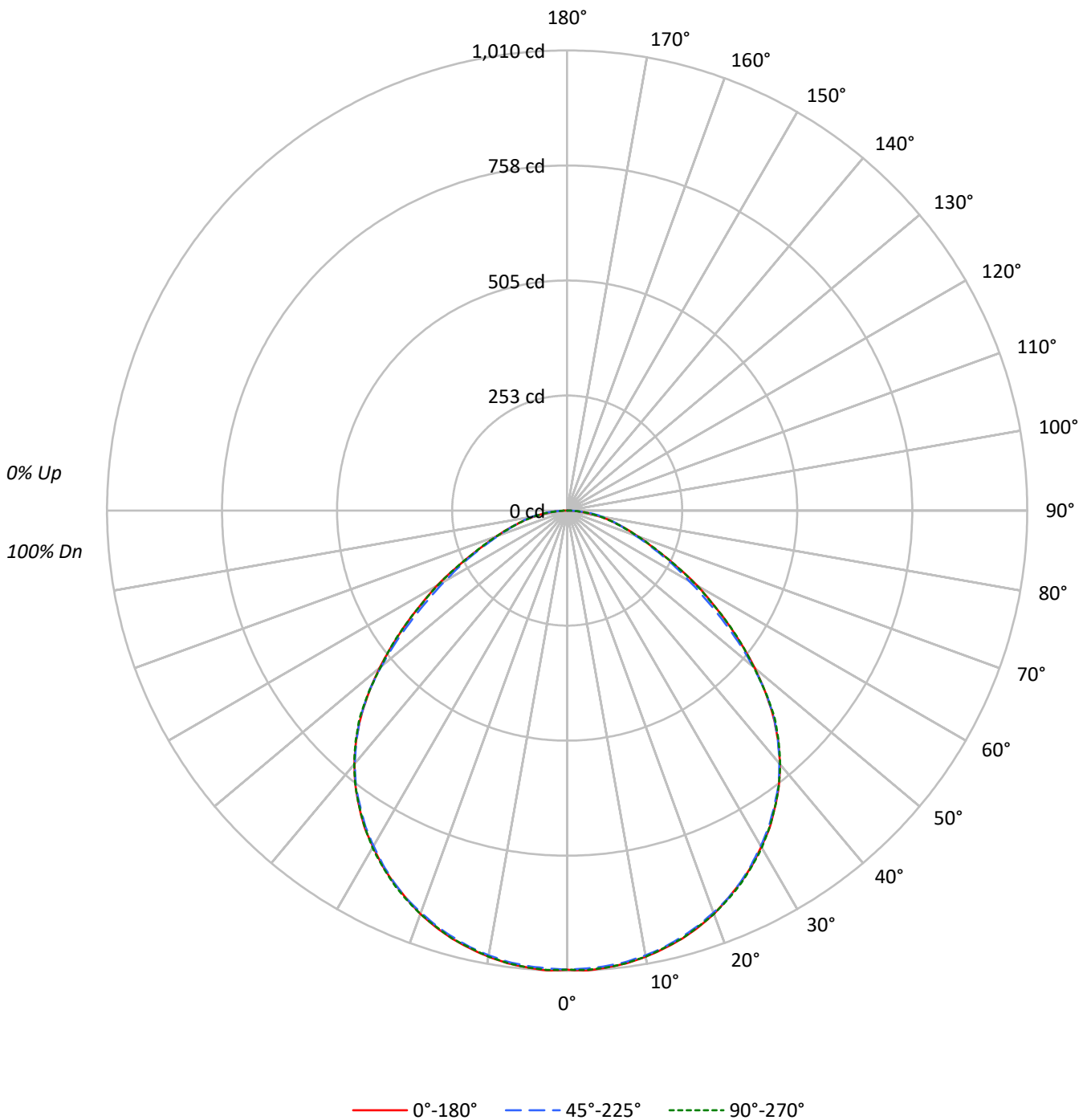
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2541.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2953	2953	2953
5°	2961	2951	2961
10°	2958	2948	2957
15°	2952	2940	2950
20°	2937	2928	2938
25°	2913	2910	2919
30°	2883	2876	2891
35°	2844	2834	2844
40°	2778	2772	2781
45°	2653	2659	2669
50°	2450	2430	2433
55°	2189	2116	2198
60°	1933	1815	1920
65°	1619	1568	1619
70°	1404	1366	1411
75°	1280	1299	1280
80°	1203	1306	1210
85°	1046	1281	1076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	3.8
10°-20°	274.0	10.8
20°-30°	415.0	16.3
30°-40°	496.3	19.5
40°-50°	491.4	19.3
50°-60°	377.8	14.9
60°-70°	230.1	9.1
70°-80°	121.8	4.8
80°-90°	39.0	1.5
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°	784.6	30.9
0°-40°	1280.9	50.4
0°-60°	2150.2	84.6
0°-90°	2541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2541.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1008	1008	1008	1008	1008	
5°	1007	1006	1003	1005	1007	96
15°	973	971	969	971	973	275
25°	901	900	900	901	903	415
35°	795	794	792	795	795	497
45°	640	641	642	642	644	491
55°	428	423	414	422	430	384
65°	234	228	226	226	234	236
75°	113	113	115	114	113	121
85°	31	36	38	36	32	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	1010.3	1008.6	1005.8	1007.8	1009.0
5°	1006.6	1006.2	1003.3	1004.9	1006.6
7.5°	1002.1	1000.9	998.8	1000.4	1001.7
10°	994.3	993.5	991.0	993.1	993.9
12.5°	984.5	983.6	982.0	983.6	983.2
15°	973.0	971.4	969.3	971.4	972.6
17.5°	958.7	957.0	955.4	956.6	957.4
20°	941.9	939.4	939.0	940.6	942.3
22.5°	921.8	921.8	921.4	922.6	923.4
25°	900.9	900.1	900.1	901.3	902.9
27.5°	878.4	876.7	875.9	877.9	879.2
30°	852.1	851.7	850.1	853.4	854.6
32.5°	826.7	822.6	823.5	825.1	825.5
35°	795.2	794.4	792.3	794.8	795.2
37.5°	763.2	762.8	761.6	762.4	762.8
40°	726.4	726.0	724.7	726.4	727.2
42.5°	685.4	684.6	684.6	685.8	687.0
45°	640.3	640.7	641.6	642.0	644.0
47.5°	589.9	590.8	591.6	590.8	591.2
50°	537.5	537.1	533.0	535.9	533.8
52.5°	482.2	476.0	472.8	479.3	483.8
55°	428.5	422.8	414.2	421.6	430.2
57.5°	376.9	367.1	358.1	366.7	375.3
60°	329.8	314.6	309.7	315.0	327.7
62.5°	279.4	268.8	267.1	267.9	279.0
65°	233.5	227.8	226.1	225.7	233.5
67.5°	195.8	192.1	190.1	191.7	196.6
70°	163.9	162.2	159.4	162.2	164.7
72.5°	137.7	137.2	134.8	137.2	136.4
75°	113.1	113.1	114.7	113.9	113.1
77.5°	92.2	93.0	95.9	93.4	90.9
80°	71.3	73.3	77.4	73.7	71.7
82.5°	50.8	55.3	59.8	55.3	52.4
85°	31.1	35.6	38.1	36.1	32.0
87.5°	13.5	16.0	16.8	15.6	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)