

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: P738080

Luminaire Tested: **22PT-25-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738080
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-L835
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

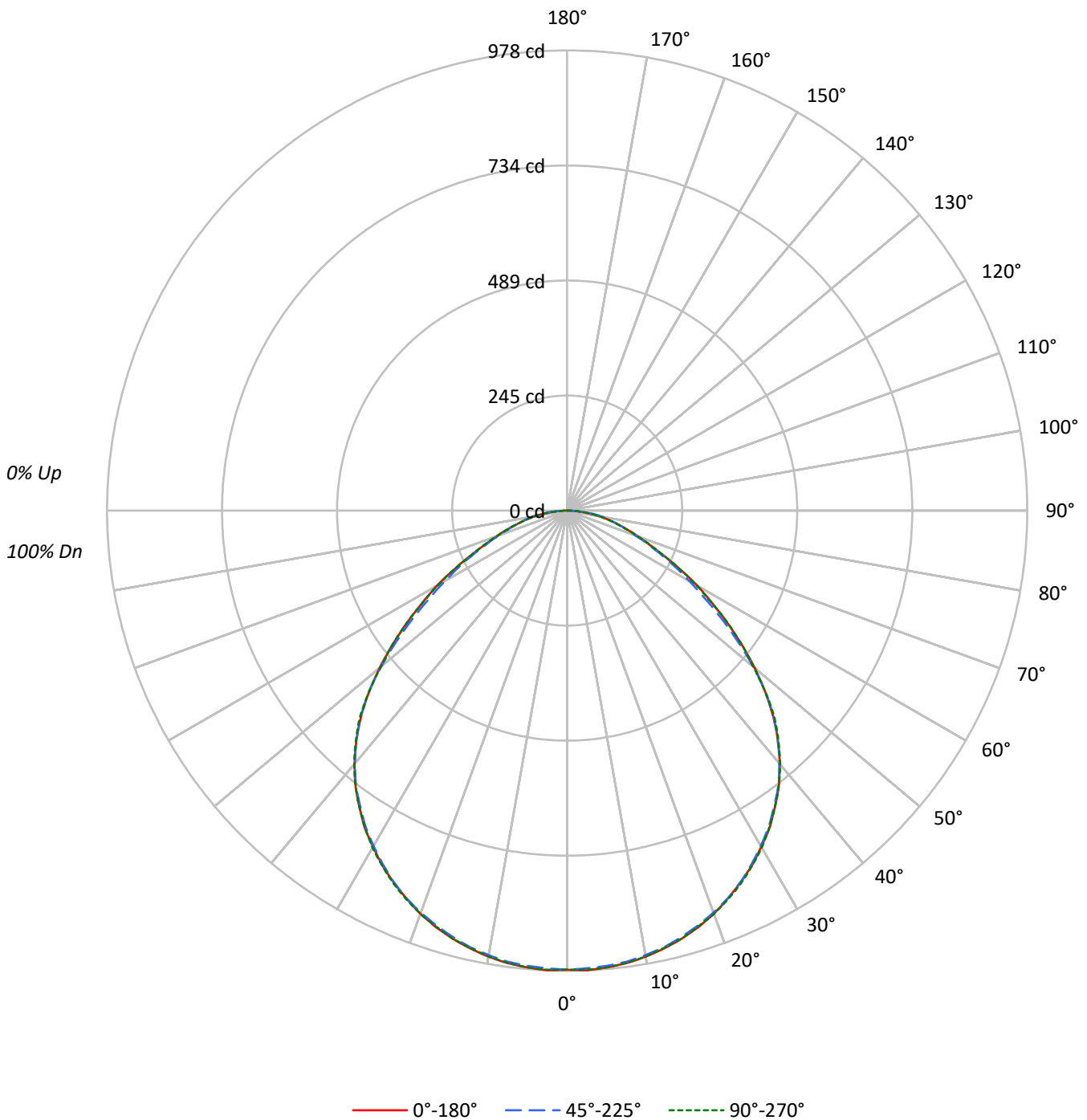
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2460.0 lumens
Efficiency: N/A
Efficacy: 132.3 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	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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2859	2859	2859
5°	2866	2857	2866
10°	2864	2854	2863
15°	2857	2847	2856
20°	2843	2835	2844
25°	2820	2817	2826
30°	2791	2784	2799
35°	2754	2744	2754
40°	2690	2684	2693
45°	2569	2574	2584
50°	2372	2352	2356
55°	2119	2048	2128
60°	1871	1757	1859
65°	1568	1518	1568
70°	1359	1322	1366
75°	1240	1258	1240
80°	1164	1266	1171
85°	1012	1241	1039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	3.8
10°-20°	265.3	10.8
20°-30°	401.8	16.3
30°-40°	480.5	19.5
40°-50°	475.7	19.3
50°-60°	365.8	14.9
60°-70°	222.7	9.1
70°-80°	117.9	4.8
80°-90°	37.7	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°	759.6	30.9
0°-40°	1240.1	50.4
0°-60°	2081.6	84.6
0°-90°	2460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	976	976	976	976	976	
5°	974	974	971	973	974	93
15°	942	940	938	940	942	266
25°	872	871	871	873	874	402
35°	770	769	767	769	770	481
45°	620	620	621	622	624	476
55°	415	409	401	408	416	372
65°	226	220	219	218	226	229
75°	110	110	111	110	110	118
85°	30	34	37	35	31	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	975.7	975.7	975.7	975.7	975.7
2.5°	978.1	976.5	973.7	975.7	976.9
5°	974.5	974.1	971.3	972.9	974.5
7.5°	970.1	968.9	967.0	968.6	969.7
10°	962.6	961.8	959.4	961.4	962.2
12.5°	953.1	952.3	950.7	952.3	951.9
15°	942.0	940.4	938.4	940.4	941.6
17.5°	928.1	926.5	924.9	926.1	926.9
20°	911.8	909.5	909.1	910.6	912.2
22.5°	892.4	892.4	892.0	893.2	894.0
25°	872.2	871.4	871.4	872.6	874.2
27.5°	850.4	848.8	848.0	850.0	851.2
30°	825.0	824.6	823.0	826.2	827.4
32.5°	800.4	796.4	797.2	798.8	799.2
35°	769.8	769.1	767.1	769.4	769.8
37.5°	738.9	738.5	737.3	738.1	738.5
40°	703.2	702.8	701.6	703.2	704.0
42.5°	663.5	662.8	662.8	663.9	665.1
45°	619.9	620.3	621.1	621.5	623.5
47.5°	571.1	571.9	572.7	571.9	572.3
50°	520.4	520.0	516.0	518.8	516.8
52.5°	466.8	460.9	457.7	464.0	468.4
55°	414.9	409.3	401.0	408.1	416.5
57.5°	364.9	355.4	346.6	355.0	363.3
60°	319.3	304.6	299.8	305.0	317.3
62.5°	270.5	260.2	258.6	259.4	270.1
65°	226.1	220.5	218.9	218.5	226.1
67.5°	189.6	186.0	184.0	185.6	190.4
70°	158.6	157.1	154.3	157.1	159.4
72.5°	133.3	132.9	130.5	132.9	132.1
75°	109.5	109.5	111.1	110.3	109.5
77.5°	89.2	90.0	92.8	90.4	88.1
80°	69.0	71.0	75.0	71.4	69.4
82.5°	49.2	53.5	57.9	53.5	50.8
85°	30.1	34.5	36.9	34.9	30.9
87.5°	13.1	15.5	16.3	15.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)