

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: P738384

Luminaire Tested: **24PT-100-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PR1-L835
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

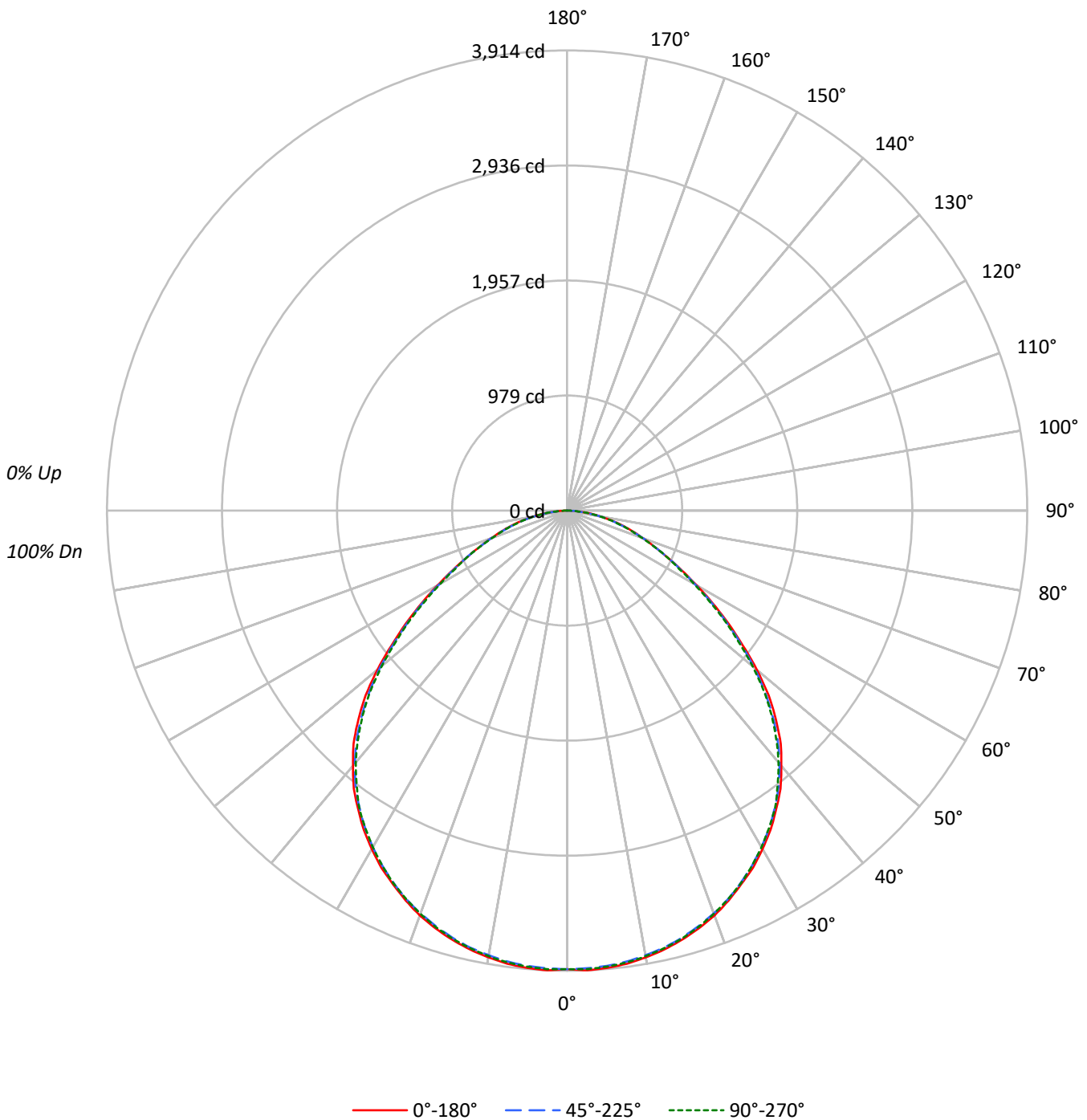
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9935.0 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85.4
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5594	5594	5594
5°	5620	5596	5606
10°	5618	5591	5604
15°	5610	5586	5595
20°	5592	5564	5569
25°	5546	5529	5533
30°	5503	5473	5473
35°	5427	5395	5401
40°	5304	5259	5237
45°	5093	5011	4984
50°	4701	4633	4589
55°	4185	4125	4098
60°	3648	3607	3570
65°	3196	3200	3181
70°	2876	2867	2826
75°	2679	2600	2607
80°	2392	2347	2347
85°	1846	1899	1828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.0	3.7
10°-20°	1062.6	10.7
20°-30°	1611.0	16.2
30°-40°	1926.8	19.4
40°-50°	1902.5	19.1
50°-60°	1480.8	14.9
60°-70°	940.0	9.5
70°-80°	504.5	5.1
80°-90°	136.8	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°	3043.6	30.6
0°-40°	4970.4	50.0
0°-60°	8353.7	84.1
0°-90°	9935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3901	3901	3901	3901	3901	
5°	3904	3892	3888	3886	3894	371
15°	3779	3766	3763	3758	3769	1067
25°	3506	3499	3495	3488	3497	1617
35°	3101	3094	3082	3072	3085	1939
45°	2511	2494	2471	2459	2458	1928
55°	1674	1665	1650	1639	1639	1499
65°	942	945	943	931	938	945
75°	484	476	469	468	470	511
85°	112	114	115	115	111	138
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3901.1	3901.1	3901.1	3901.1	3901.1
2.5°	3914.1	3901.1	3896.7	3894.5	3904.3
5°	3904.3	3892.3	3888.0	3885.8	3894.5
7.5°	3888.0	3873.8	3869.5	3867.3	3877.1
10°	3858.6	3845.5	3840.1	3840.1	3848.8
12.5°	3823.7	3812.8	3807.4	3803.0	3812.8
15°	3779.1	3766.0	3762.7	3758.4	3769.3
17.5°	3725.7	3712.7	3708.3	3706.1	3713.7
20°	3664.7	3648.4	3646.2	3645.1	3649.5
22.5°	3589.6	3580.9	3576.5	3574.3	3577.6
25°	3505.7	3499.2	3494.8	3488.3	3497.0
27.5°	3424.0	3415.3	3404.4	3399.0	3404.4
30°	3323.9	3313.0	3305.3	3303.2	3305.3
32.5°	3220.4	3209.5	3199.7	3198.6	3197.5
35°	3100.6	3094.1	3082.1	3072.3	3085.3
37.5°	2981.9	2966.6	2955.7	2943.8	2940.5
40°	2833.8	2828.3	2809.8	2798.9	2797.8
42.5°	2690.0	2665.0	2651.9	2644.3	2632.3
45°	2511.4	2494.0	2471.1	2459.1	2458.0
47.5°	2325.2	2303.4	2281.6	2265.3	2269.6
50°	2107.4	2097.6	2076.9	2062.7	2057.3
52.5°	1883.0	1880.8	1859.0	1850.3	1840.5
55°	1673.9	1665.2	1649.9	1639.1	1639.1
57.5°	1468.1	1460.4	1452.8	1432.1	1432.1
60°	1272.0	1270.9	1257.9	1245.9	1244.8
62.5°	1096.7	1103.2	1091.3	1079.3	1072.7
65°	942.0	945.3	943.1	931.2	937.7
67.5°	805.9	807.0	802.6	796.1	800.5
70°	686.1	691.6	683.9	679.6	674.1
72.5°	581.6	579.4	572.9	576.1	568.5
75°	483.5	475.9	469.4	468.3	470.5
77.5°	385.5	383.4	377.9	377.9	374.6
80°	289.7	287.5	284.2	285.3	284.2
82.5°	205.8	200.4	196.0	198.2	199.3
85°	112.2	114.4	115.4	115.4	111.1
87.5°	45.7	44.7	45.7	47.9	49.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)