

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: P738696

Luminaire Tested: **24PT-90-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PL1-L835
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

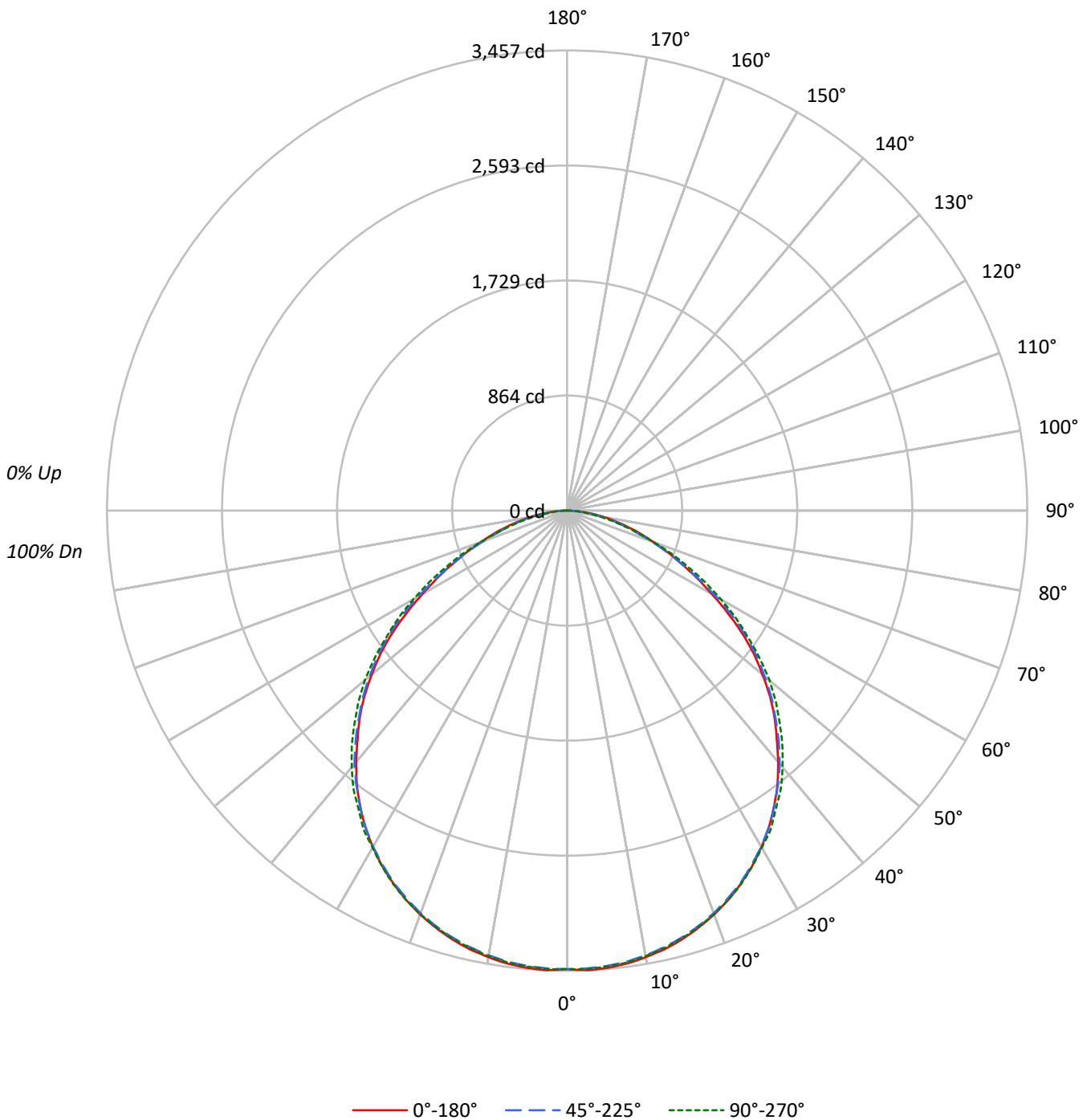
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9118.0 lumens
Efficiency: N/A
Efficacy: 120.4 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): 75.7
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	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	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
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	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4939	4939	4939
5°	4964	4943	4950
10°	4961	4941	4949
15°	4952	4931	4942
20°	4927	4912	4924
25°	4891	4880	4895
30°	4833	4826	4843
35°	4745	4747	4784
40°	4615	4650	4713
45°	4471	4492	4580
50°	4272	4320	4424
55°	4010	4084	4146
60°	3600	3688	3825
65°	3222	3228	3403
70°	2873	2794	2893
75°	2594	2441	2397
80°	2305	2150	1897
85°	1890	1792	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.8	3.6
10°-20°	938.2	10.3
20°-30°	1421.4	15.6
30°-40°	1698.7	18.6
40°-50°	1713.6	18.8
50°-60°	1453.8	15.9
60°-70°	961.9	10.5
70°-80°	477.4	5.2
80°-90°	126.3	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°	2686.4	29.5
0°-40°	4385.1	48.1
0°-60°	7552.5	82.8
0°-90°	9118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3445	3445	3445	3445	3445	
5°	3449	3437	3434	3432	3439	328
15°	3336	3325	3322	3322	3329	941
25°	3091	3084	3084	3083	3094	1424
35°	2711	2707	2712	2727	2733	1694
45°	2205	2202	2215	2245	2258	1696
55°	1604	1608	1634	1649	1658	1426
65°	950	948	952	981	1003	948
75°	468	456	441	427	433	501
85°	115	115	109	100	90	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3444.7	3444.7	3444.7	3444.7	3444.7
2.5°	3456.6	3445.7	3442.8	3440.8	3448.7
5°	3448.7	3436.8	3433.9	3431.9	3438.8
7.5°	3432.9	3420.0	3418.0	3416.0	3424.9
10°	3407.1	3395.2	3393.3	3391.3	3399.2
12.5°	3376.4	3364.5	3360.6	3361.6	3366.5
15°	3335.8	3324.9	3322.0	3322.0	3328.9
17.5°	3285.3	3275.4	3273.4	3272.5	3281.4
20°	3228.9	3219.0	3219.0	3222.0	3226.9
22.5°	3164.5	3157.6	3153.6	3155.6	3165.5
25°	3091.3	3084.3	3084.3	3083.3	3094.2
27.5°	3010.1	3001.2	3001.2	3009.1	3013.0
30°	2919.0	2911.1	2915.0	2921.0	2924.9
32.5°	2820.9	2816.0	2819.0	2827.9	2843.7
35°	2711.0	2707.1	2712.0	2726.9	2732.8
37.5°	2596.2	2593.2	2600.1	2619.9	2636.8
40°	2465.5	2465.5	2484.3	2502.1	2518.0
42.5°	2329.8	2338.7	2352.6	2380.3	2394.2
45°	2205.1	2202.1	2215.0	2244.7	2258.5
47.5°	2066.4	2063.5	2082.3	2103.1	2125.9
50°	1915.0	1914.0	1936.7	1954.6	1983.3
52.5°	1767.4	1776.3	1791.2	1807.0	1823.9
55°	1604.0	1608.0	1633.8	1648.6	1658.5
57.5°	1427.8	1440.7	1472.4	1494.1	1503.1
60°	1255.5	1263.4	1286.2	1324.8	1333.7
62.5°	1099.1	1102.0	1115.9	1159.5	1171.4
65°	949.6	947.6	951.5	981.2	1003.0
67.5°	813.9	806.0	806.0	821.8	848.6
70°	685.2	673.3	666.4	671.3	690.1
72.5°	577.3	561.4	543.6	540.6	552.5
75°	468.3	455.5	440.6	426.8	432.7
77.5°	373.3	362.4	348.5	332.7	324.8
80°	279.2	275.3	260.4	245.6	229.7
82.5°	195.1	192.1	182.2	170.3	160.4
85°	114.9	114.9	108.9	100.0	90.1
87.5°	51.5	49.5	51.5	43.6	40.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)