

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: P738388

Luminaire Tested: **24PT-100-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738388
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-L935
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

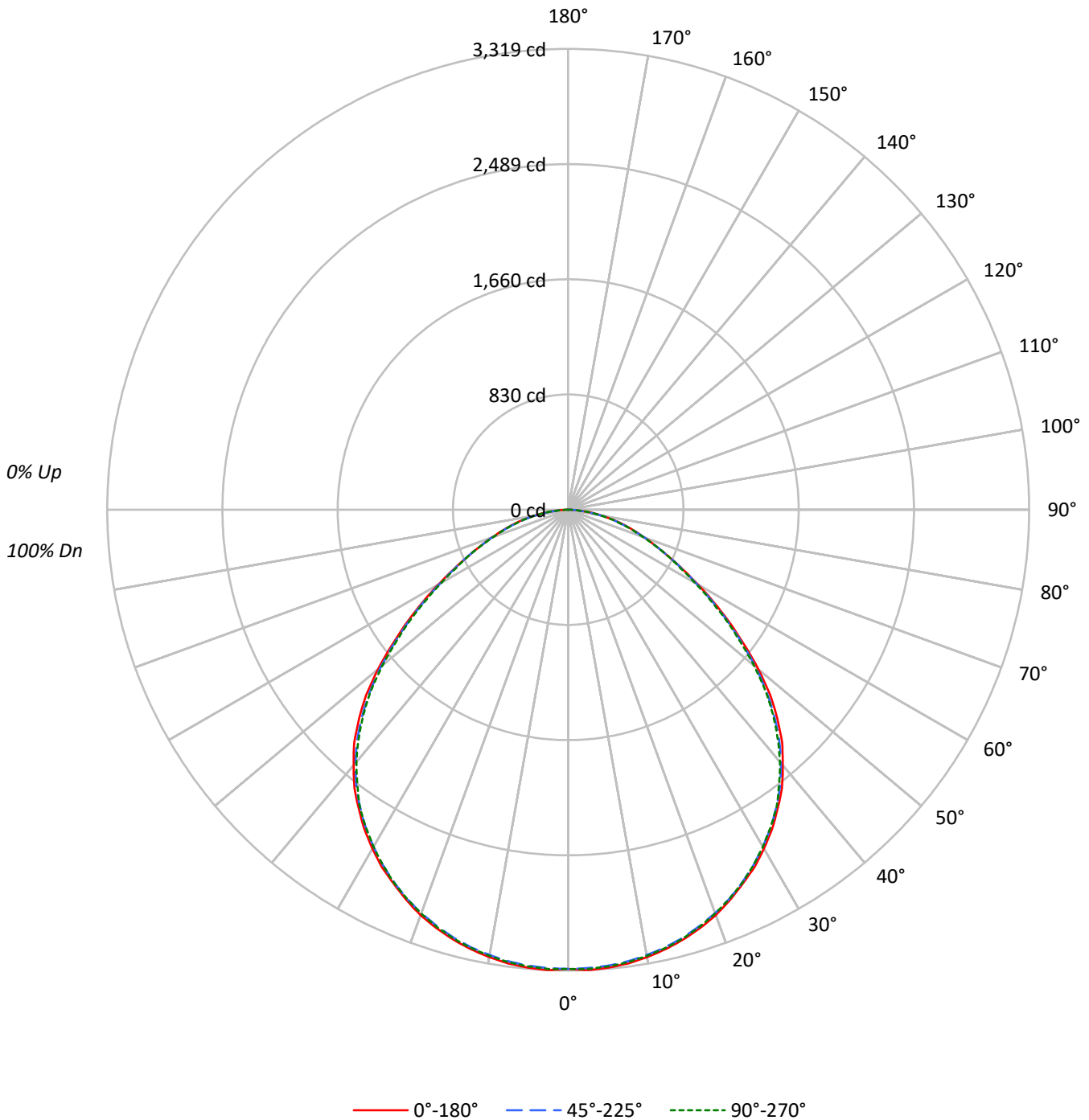
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8424.0 lumens
Efficiency: N/A
Efficacy: 98.6 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°	4743	4743	4743
5°	4765	4745	4753
10°	4764	4741	4751
15°	4757	4736	4744
20°	4742	4718	4722
25°	4703	4688	4691
30°	4666	4640	4640
35°	4602	4574	4579
40°	4497	4459	4440
45°	4318	4249	4226
50°	3986	3928	3891
55°	3548	3497	3474
60°	3093	3059	3027
65°	2710	2713	2698
70°	2439	2431	2396
75°	2271	2205	2210
80°	2028	1990	1990
85°	1565	1611	1550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.7	3.7
10°-20°	901.0	10.7
20°-30°	1366.0	16.2
30°-40°	1633.8	19.4
40°-50°	1613.1	19.1
50°-60°	1255.6	14.9
60°-70°	797.1	9.5
70°-80°	427.7	5.1
80°-90°	116.0	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°	2580.7	30.6
0°-40°	4214.5	50.0
0°-60°	7083.2	84.1
0°-90°	8424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3308	3308	3308	3308	3308	
5°	3310	3300	3297	3295	3302	315
15°	3204	3193	3190	3187	3196	904
25°	2972	2967	2963	2958	2965	1371
35°	2629	2624	2613	2605	2616	1644
45°	2129	2115	2095	2085	2084	1635
55°	1419	1412	1399	1390	1390	1271
65°	799	802	800	790	795	801
75°	410	404	398	397	399	433
85°	95	97	98	98	94	117
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3318.8	3307.8	3304.1	3302.2	3310.5
5°	3310.5	3300.4	3296.7	3294.8	3302.2
7.5°	3296.7	3284.7	3281.0	3279.1	3287.4
10°	3271.7	3260.7	3256.0	3256.0	3263.4
12.5°	3242.2	3233.0	3228.3	3224.6	3233.0
15°	3204.3	3193.2	3190.5	3186.8	3196.0
17.5°	3159.1	3148.0	3144.3	3142.5	3148.9
20°	3107.4	3093.5	3091.7	3090.7	3094.4
22.5°	3043.7	3036.3	3032.6	3030.7	3033.5
25°	2972.5	2967.0	2963.3	2957.8	2965.2
27.5°	2903.3	2895.9	2886.7	2882.0	2886.7
30°	2818.3	2809.1	2802.6	2800.8	2802.6
32.5°	2730.6	2721.4	2713.1	2712.1	2711.2
35°	2629.0	2623.5	2613.3	2605.0	2616.1
37.5°	2528.4	2515.4	2506.2	2496.1	2493.3
40°	2402.8	2398.2	2382.5	2373.2	2372.3
42.5°	2280.9	2259.7	2248.6	2242.1	2231.9
45°	2129.4	2114.7	2095.3	2085.1	2084.2
47.5°	1971.5	1953.1	1934.6	1920.8	1924.4
50°	1786.9	1778.5	1761.0	1749.0	1744.4
52.5°	1596.6	1594.8	1576.3	1568.9	1560.6
55°	1419.3	1411.9	1399.0	1389.8	1389.8
57.5°	1244.8	1238.3	1231.9	1214.3	1214.3
60°	1078.6	1077.7	1066.6	1056.4	1055.5
62.5°	929.9	935.4	925.3	915.1	909.6
65°	798.8	801.5	799.7	789.5	795.1
67.5°	683.3	684.3	680.6	675.0	678.7
70°	581.8	586.4	579.9	576.2	571.6
72.5°	493.1	491.3	485.7	488.5	482.0
75°	410.0	403.5	398.0	397.1	398.9
77.5°	326.9	325.1	320.4	320.4	317.7
80°	245.6	243.8	241.0	241.9	241.0
82.5°	174.5	169.9	166.2	168.1	169.0
85°	95.1	97.0	97.9	97.9	94.2
87.5°	38.8	37.9	38.8	40.6	41.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)