

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: P738380

Luminaire Tested: **24PT-100-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738380
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-100-PL1-L935
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

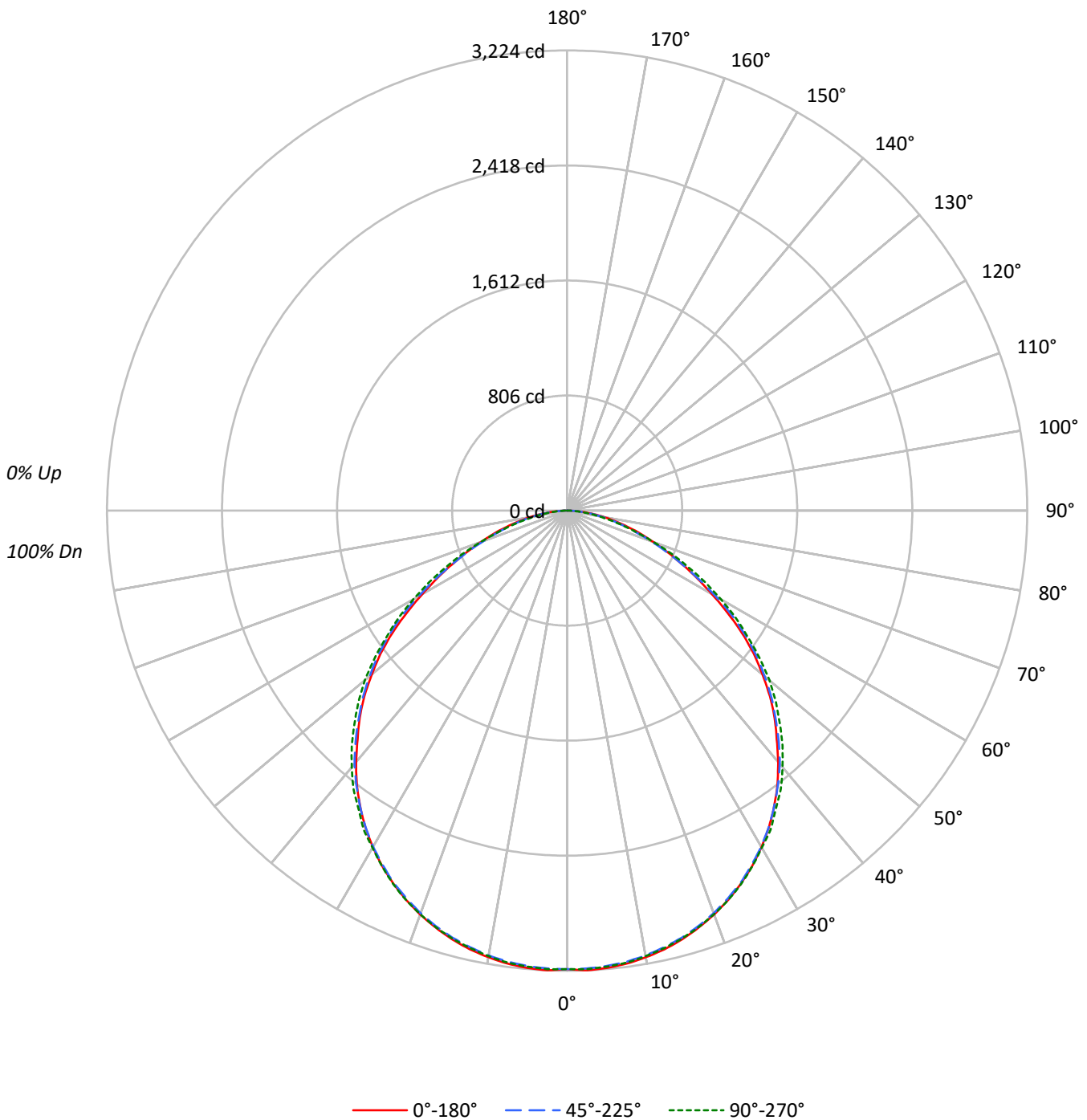
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8504.0 lumens
Efficiency: N/A
Efficacy: 99.6 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

TEST NUMBER: P738380
CATALOG NUMBER: 24PT-100-PL1-L935

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°	4607	4607	4607
5°	4630	4610	4616
10°	4627	4608	4616
15°	4618	4599	4609
20°	4595	4581	4592
25°	4561	4551	4566
30°	4507	4501	4517
35°	4426	4428	4461
40°	4304	4337	4396
45°	4170	4189	4272
50°	3984	4029	4126
55°	3740	3809	3867
60°	3358	3440	3567
65°	3005	3011	3174
70°	2679	2606	2699
75°	2420	2276	2236
80°	2150	2006	1769
85°	1762	1671	1382



TEST NUMBER: P738380

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.8	3.6
10°-20°	875.0	10.3
20°-30°	1325.7	15.6
30°-40°	1584.3	18.6
40°-50°	1598.2	18.8
50°-60°	1355.9	15.9
60°-70°	897.1	10.5
70°-80°	445.2	5.2
80°-90°	117.8	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°	2505.5	29.5
0°-40°	4089.8	48.1
0°-60°	7043.9	82.8
0°-90°	8504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3213	3213	3213	3213	3213	
5°	3216	3205	3203	3201	3207	306
15°	3111	3101	3098	3098	3105	878
25°	2883	2877	2877	2876	2886	1328
35°	2528	2525	2529	2543	2549	1580
45°	2057	2054	2066	2094	2106	1582
55°	1496	1500	1524	1538	1547	1330
65°	886	884	888	915	936	884
75°	437	425	411	398	404	467
85°	107	107	102	93	84	127
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3212.8	3212.8	3212.8	3212.8	3212.8
2.5°	3223.9	3213.7	3210.9	3209.1	3216.5
5°	3216.5	3205.4	3202.6	3200.8	3207.2
7.5°	3201.7	3189.7	3187.8	3186.0	3194.3
10°	3177.7	3166.6	3164.8	3162.9	3170.3
12.5°	3149.1	3138.0	3134.3	3135.2	3139.8
15°	3111.2	3101.0	3098.3	3098.3	3104.7
17.5°	3064.1	3054.9	3053.0	3052.1	3060.4
20°	3011.5	3002.2	3002.2	3005.0	3009.6
22.5°	2951.4	2945.0	2941.3	2943.1	2952.4
25°	2883.1	2876.6	2876.6	2875.7	2885.9
27.5°	2807.4	2799.1	2799.1	2806.4	2810.1
30°	2722.4	2715.0	2718.7	2724.3	2728.0
32.5°	2631.0	2626.4	2629.1	2637.4	2652.2
35°	2528.5	2524.8	2529.4	2543.3	2548.8
37.5°	2421.4	2418.6	2425.1	2443.5	2459.2
40°	2299.5	2299.5	2317.0	2333.6	2348.4
42.5°	2172.9	2181.3	2194.2	2220.0	2233.0
45°	2056.6	2053.8	2065.8	2093.5	2106.5
47.5°	1927.3	1924.5	1942.1	1961.5	1982.7
50°	1786.0	1785.1	1806.3	1822.9	1849.7
52.5°	1648.4	1656.7	1670.6	1685.3	1701.0
55°	1496.0	1499.7	1523.7	1537.6	1546.8
57.5°	1331.7	1343.7	1373.2	1393.5	1401.8
60°	1171.0	1178.4	1199.6	1235.6	1243.9
62.5°	1025.1	1027.8	1040.8	1081.4	1092.5
65°	885.6	883.8	887.5	915.2	935.5
67.5°	759.1	751.7	751.7	766.5	791.4
70°	639.0	628.0	621.5	626.1	643.7
72.5°	538.4	523.6	507.0	504.2	515.3
75°	436.8	424.8	410.9	398.0	403.6
77.5°	348.2	338.0	325.1	310.3	302.9
80°	260.4	256.7	242.9	229.0	214.2
82.5°	181.9	179.2	169.9	158.8	149.6
85°	107.1	107.1	101.6	93.3	84.0
87.5°	48.0	46.2	48.0	40.6	37.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)