

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: P738688

Luminaire Tested: **24PT-90-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PC3-L835
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

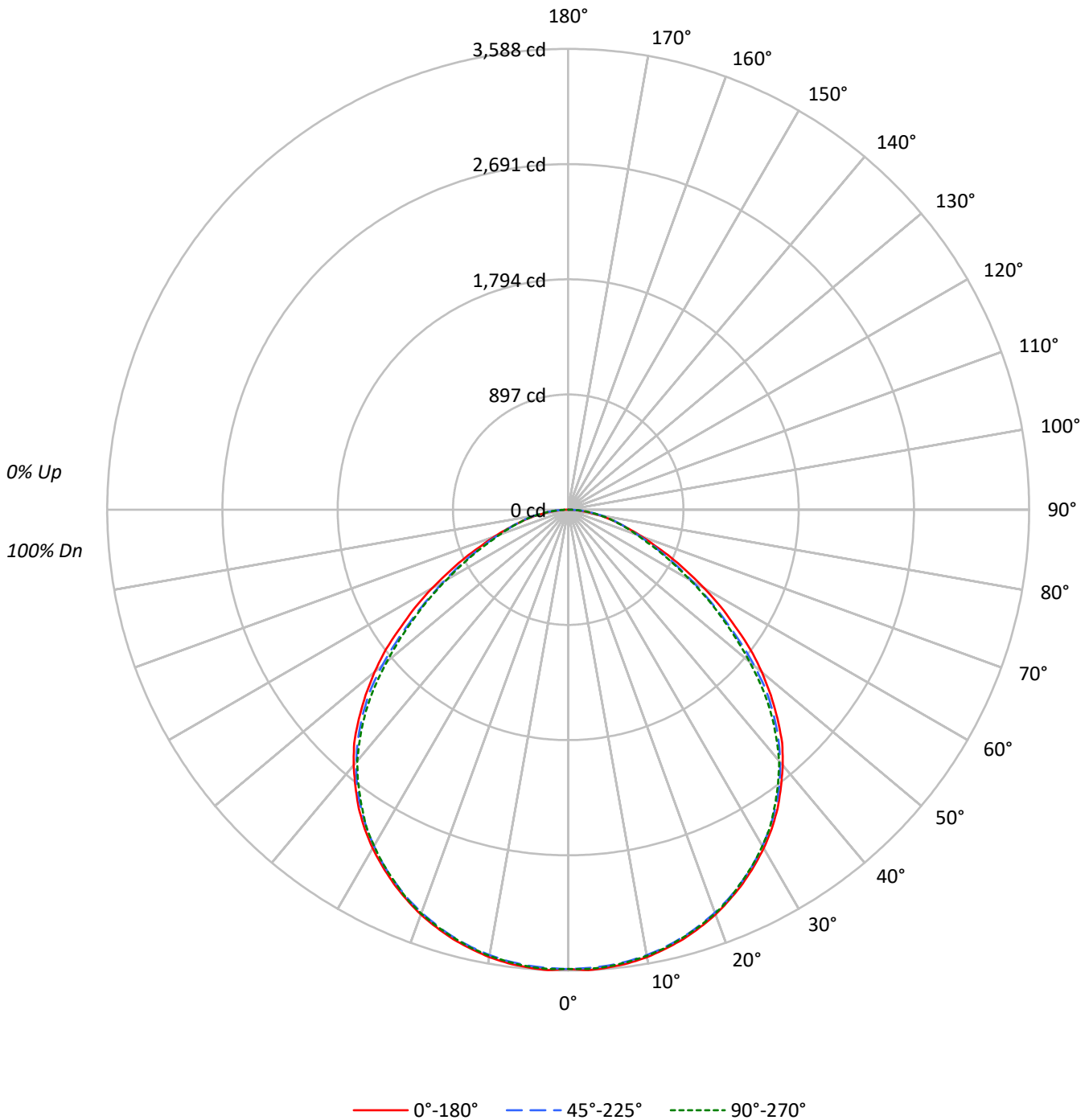
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9021.0 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (A_{in}): 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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5128	5128	5128
5°	5150	5129	5139
10°	5151	5127	5135
15°	5139	5115	5121
20°	5118	5094	5105
25°	5083	5058	5057
30°	5040	5007	5005
35°	4972	4932	4910
40°	4861	4803	4781
45°	4672	4586	4521
50°	4387	4219	4108
55°	3966	3698	3628
60°	3508	3200	3137
65°	2999	2773	2702
70°	2541	2433	2362
75°	2228	2266	2189
80°	1997	2203	2079
85°	1686	2014	1917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.1	3.8
10°-20°	973.3	10.8
20°-30°	1474.4	16.3
30°-40°	1761.0	19.5
40°-50°	1737.2	19.3
50°-60°	1344.9	14.9
60°-70°	826.6	9.2
70°-80°	433.1	4.8
80°-90°	131.3	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°	2786.8	30.9
0°-40°	4547.9	50.4
0°-60°	7629.9	84.6
0°-90°	9021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3576	3576	3576	3576	3576	
5°	3578	3567	3563	3561	3570	340
15°	3462	3451	3446	3443	3450	977
25°	3213	3203	3197	3195	3196	1480
35°	2841	2828	2818	2809	2805	1773
45°	2304	2287	2261	2238	2230	1773
55°	1587	1544	1479	1457	1451	1424
65°	884	843	817	793	796	882
75°	402	406	409	401	395	433
85°	102	114	122	119	116	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3576.3	3576.3	3576.3	3576.3	3576.3
2.5°	3588.2	3577.3	3572.3	3571.3	3579.3
5°	3578.3	3567.3	3563.4	3561.4	3570.3
7.5°	3562.4	3550.4	3546.4	3543.4	3551.4
10°	3537.5	3525.5	3521.6	3519.6	3526.5
12.5°	3501.6	3490.7	3487.7	3484.7	3493.7
15°	3461.8	3450.9	3445.9	3442.9	3449.9
17.5°	3410.1	3401.1	3395.1	3395.1	3401.1
20°	3354.3	3343.4	3338.4	3335.4	3345.4
22.5°	3285.7	3278.7	3272.7	3267.7	3278.7
25°	3213.0	3203.0	3197.1	3195.1	3196.1
27.5°	3130.4	3123.4	3115.4	3112.5	3114.5
30°	3043.8	3034.8	3023.9	3017.9	3022.9
32.5°	2947.2	2934.3	2925.3	2919.4	2926.3
35°	2840.7	2827.8	2817.8	2808.9	2804.9
37.5°	2719.3	2715.3	2701.4	2685.5	2684.5
40°	2596.9	2585.9	2566.0	2559.0	2554.1
42.5°	2465.5	2442.6	2421.7	2401.8	2394.8
45°	2304.2	2287.3	2261.4	2237.5	2229.6
47.5°	2139.0	2117.1	2092.2	2050.4	2045.4
50°	1966.8	1935.0	1891.2	1856.3	1841.4
52.5°	1787.7	1744.9	1684.1	1654.3	1646.3
55°	1586.6	1543.8	1479.1	1457.2	1451.2
57.5°	1407.4	1344.7	1292.0	1267.1	1275.0
60°	1223.3	1162.6	1115.8	1091.9	1093.9
62.5°	1043.1	995.4	960.5	937.6	940.6
65°	883.9	843.1	817.2	793.3	796.3
67.5°	727.6	708.7	689.8	675.8	667.9
70°	606.2	598.2	580.3	567.4	563.4
72.5°	495.7	500.7	485.7	481.7	480.8
75°	402.1	406.1	409.1	401.1	395.2
77.5°	321.5	327.5	339.4	328.5	326.5
80°	241.9	253.8	266.8	259.8	251.8
82.5°	169.2	184.1	196.1	187.1	183.1
85°	102.5	114.5	122.4	119.4	116.5
87.5°	45.8	49.8	53.7	54.7	52.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)