

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: P738711

Luminaire Tested: **24PT-90-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-90-PW1-L830
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

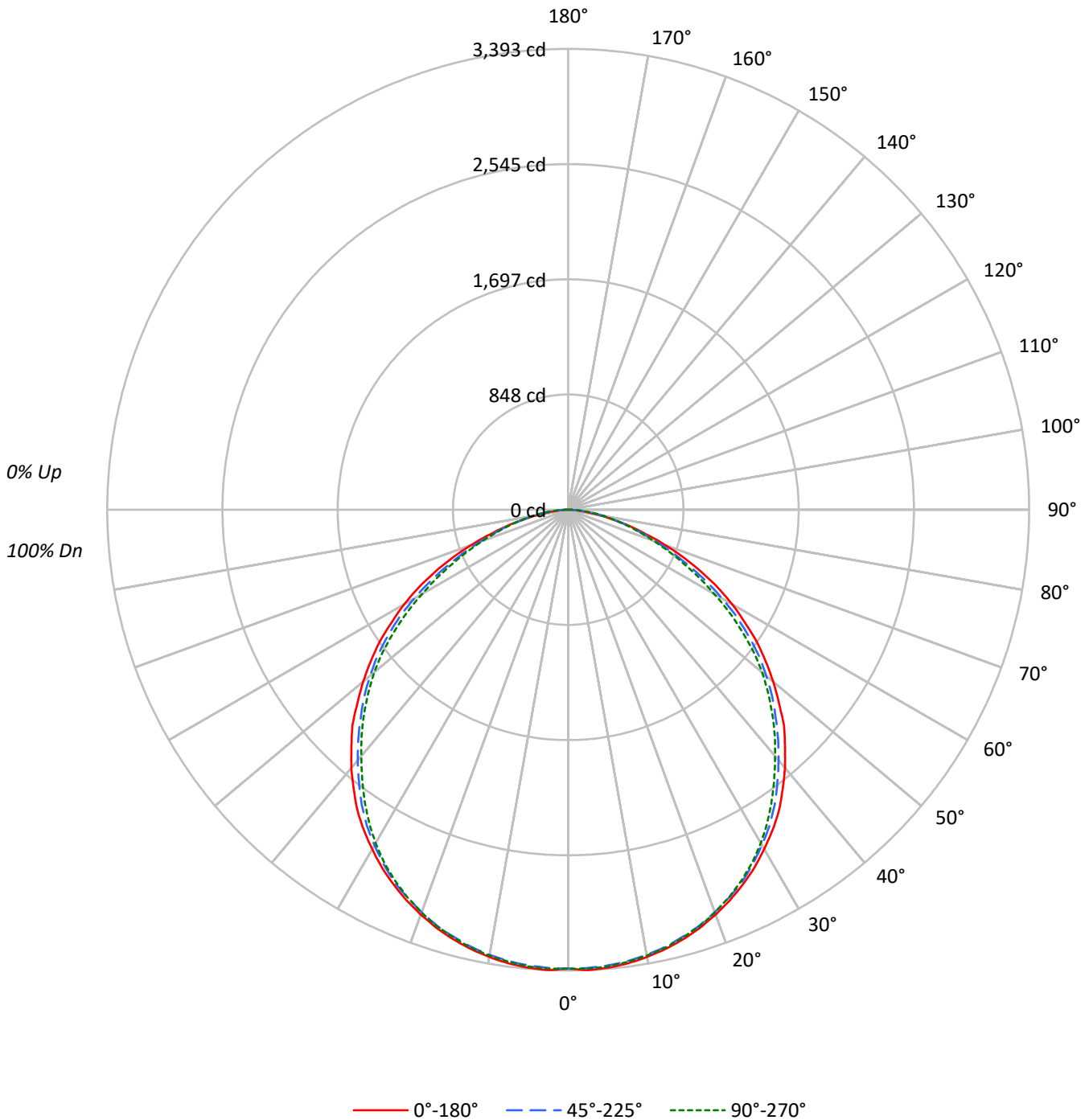
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9011.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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

TEST NUMBER: P738711
CATALOG NUMBER: 24PT-90-PW1-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738711

CATALOG NUMBER: 24PT-90-PW1-L830

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4846	4846	4846
5°	4873	4849	4859
10°	4869	4847	4855
15°	4860	4834	4840
20°	4841	4812	4815
25°	4815	4787	4769
30°	4777	4722	4693
35°	4734	4638	4573
40°	4647	4510	4435
45°	4555	4378	4307
50°	4394	4245	4156
55°	4233	4052	3905
60°	4001	3754	3561
65°	3663	3345	3172
70°	3174	2900	2793
75°	2598	2501	2468
80°	1896	2138	2202
85°	1270	1783	1897



TEST NUMBER: P738711

CATALOG NUMBER: 24PT-90-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	3.6
10°-20°	920.1	10.2
20°-30°	1392.6	15.5
30°-40°	1657.0	18.4
40°-50°	1673.7	18.6
50°-60°	1448.3	16.1
60°-70°	989.4	11.0
70°-80°	487.6	5.4
80°-90°	121.9	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°	2633.3	29.2
0°-40°	4290.3	47.6
0°-60°	7412.3	82.3
0°-90°	9011.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3380	3380	3380	3380	3380	
5°	3385	3373	3369	3366	3376	322
15°	3274	3263	3256	3254	3260	924
25°	3043	3032	3026	3014	3014	1403
35°	2704	2682	2650	2620	2612	1688
45°	2246	2208	2159	2135	2124	1725
55°	1693	1670	1621	1587	1562	1508
65°	1080	1039	986	954	935	1066
75°	469	455	451	448	446	501
85°	77	96	108	112	115	99
90°	0	0	0	0	0	



TEST NUMBER: P738711

CATALOG NUMBER: 24PT-90-PW1-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3379.5	3379.5	3379.5	3379.5	3379.5
2.5°	3393.2	3380.5	3376.5	3373.6	3382.4
5°	3385.3	3372.6	3368.7	3365.8	3375.6
7.5°	3368.7	3356.0	3352.1	3349.2	3357.0
10°	3344.3	3332.6	3328.7	3325.7	3334.5
12.5°	3313.0	3302.3	3297.4	3293.5	3303.3
15°	3274.0	3263.2	3256.4	3254.4	3260.3
17.5°	3227.1	3216.3	3211.4	3208.5	3215.3
20°	3172.3	3160.6	3153.8	3149.9	3155.7
22.5°	3111.8	3100.0	3091.3	3087.3	3089.3
25°	3043.4	3031.7	3025.8	3014.1	3014.1
27.5°	2970.1	2956.4	2941.8	2929.1	2930.0
30°	2885.1	2869.5	2851.9	2835.3	2834.3
32.5°	2799.1	2779.6	2758.1	2735.6	2728.8
35°	2704.4	2681.9	2649.6	2620.3	2612.5
37.5°	2593.0	2572.5	2529.5	2505.1	2492.3
40°	2482.6	2453.3	2409.3	2381.0	2369.2
42.5°	2361.4	2333.1	2286.2	2259.8	2250.1
45°	2246.1	2208.0	2159.2	2134.8	2124.0
47.5°	2102.5	2071.3	2037.1	2008.7	1995.1
50°	1969.6	1944.2	1903.2	1871.9	1863.2
52.5°	1830.9	1809.4	1770.3	1729.3	1719.5
55°	1693.2	1669.7	1620.9	1586.7	1562.2
57.5°	1537.8	1517.3	1471.4	1427.4	1405.9
60°	1395.2	1360.0	1309.2	1261.3	1241.8
62.5°	1239.8	1205.6	1147.0	1098.2	1087.4
65°	1079.6	1038.6	985.8	953.6	935.0
67.5°	917.4	877.4	833.4	812.9	801.1
70°	757.2	724.9	691.7	677.1	666.3
72.5°	602.8	584.3	565.7	559.8	550.1
75°	469.0	455.3	451.4	448.4	445.5
77.5°	338.0	344.9	348.8	352.7	348.8
80°	229.6	244.3	258.9	266.7	266.7
82.5°	141.7	167.1	179.8	187.6	186.6
85°	77.2	95.7	108.4	112.4	115.3
87.5°	31.3	39.1	44.0	47.9	49.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)