

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: P738663

Luminaire Tested: **24PT-80-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738663
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-80-PL1-L830
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

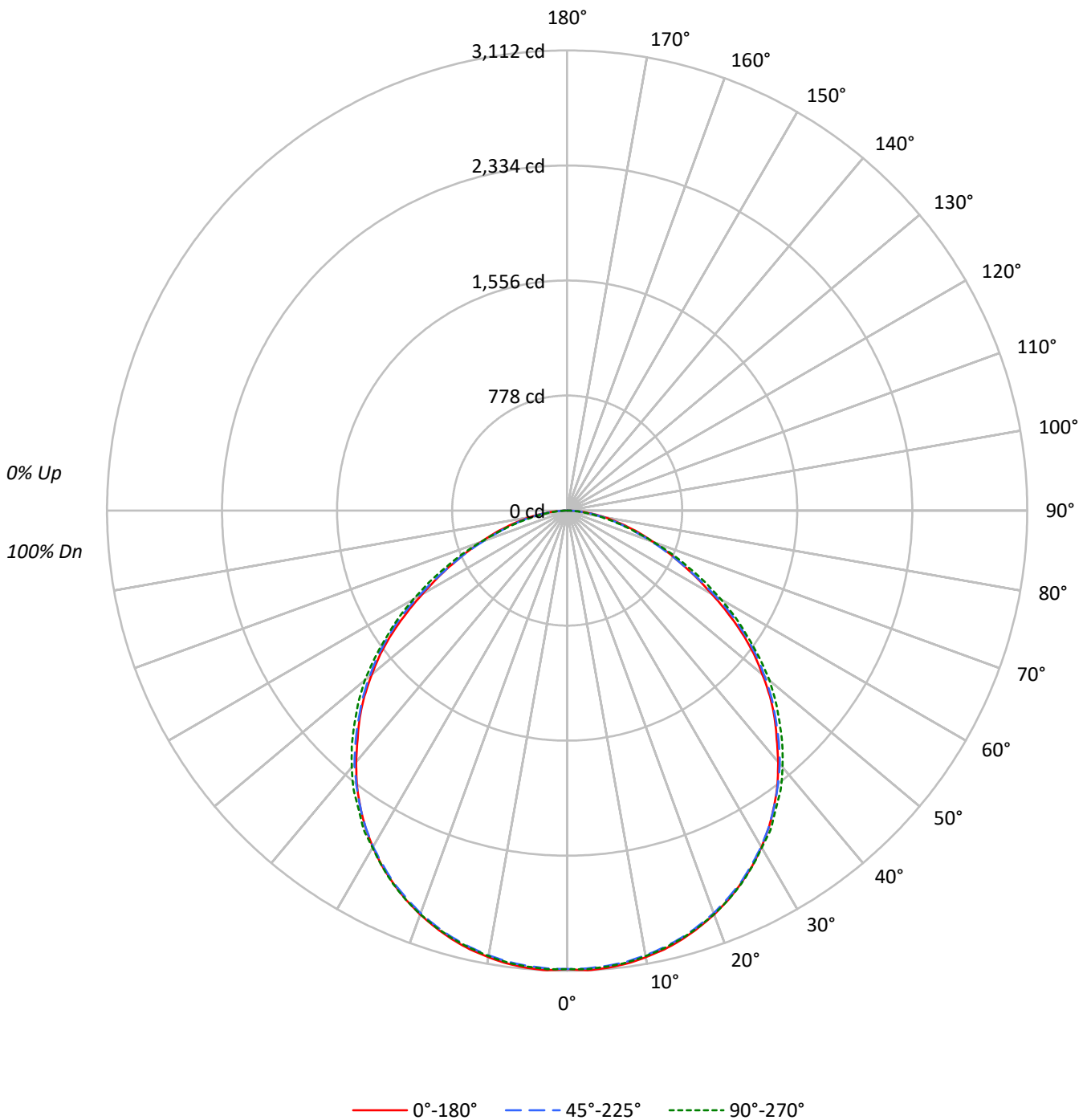
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8208.0 lumens
Efficiency: N/A
Efficacy: 120.2 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): 68.3
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	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°	4446	4446	4446
5°	4468	4449	4456
10°	4466	4447	4455
15°	4458	4439	4448
20°	4435	4422	4433
25°	4402	4393	4407
30°	4351	4345	4359
35°	4272	4273	4306
40°	4154	4186	4243
45°	4025	4043	4123
50°	3845	3889	3982
55°	3610	3677	3732
60°	3241	3320	3443
65°	2900	2906	3063
70°	2586	2515	2605
75°	2336	2197	2158
80°	2076	1936	1708
85°	1701	1612	1334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.1	3.6
10°-20°	844.6	10.3
20°-30°	1279.6	15.6
30°-40°	1529.1	18.6
40°-50°	1542.5	18.8
50°-60°	1308.7	15.9
60°-70°	865.9	10.5
70°-80°	429.7	5.2
80°-90°	113.7	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°	2418.3	29.5
0°-40°	3947.4	48.1
0°-60°	6798.7	82.8
0°-90°	8208.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8208.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3101	3101	3101	3101	3101	
5°	3104	3094	3091	3089	3096	295
15°	3003	2993	2990	2990	2997	847
25°	2783	2776	2776	2776	2785	1282
35°	2440	2437	2441	2455	2460	1525
45°	1985	1982	1994	2021	2033	1527
55°	1444	1448	1471	1484	1493	1284
65°	855	853	857	883	903	853
75°	422	410	397	384	390	451
85°	103	103	98	90	81	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3100.9	3100.9	3100.9	3100.9	3100.9
2.5°	3111.6	3101.8	3099.2	3097.4	3104.5
5°	3104.5	3093.8	3091.1	3089.4	3095.6
7.5°	3090.3	3078.7	3076.9	3075.1	3083.1
10°	3067.1	3056.4	3054.6	3052.8	3059.9
12.5°	3039.4	3028.8	3025.2	3026.1	3030.5
15°	3002.9	2993.1	2990.4	2990.4	2996.7
17.5°	2957.4	2948.5	2946.7	2945.9	2953.9
20°	2906.6	2897.7	2897.7	2900.4	2904.9
22.5°	2848.7	2842.5	2838.9	2840.7	2849.6
25°	2782.7	2776.5	2776.5	2775.6	2785.4
27.5°	2709.7	2701.6	2701.6	2708.8	2712.3
30°	2627.7	2620.5	2624.1	2629.4	2633.0
32.5°	2539.4	2535.0	2537.6	2545.6	2559.9
35°	2440.5	2436.9	2441.4	2454.7	2460.1
37.5°	2337.1	2334.4	2340.6	2358.5	2373.6
40°	2219.4	2219.4	2236.4	2252.4	2266.7
42.5°	2097.3	2105.3	2117.8	2142.8	2155.2
45°	1985.0	1982.3	1993.9	2020.7	2033.1
47.5°	1860.2	1857.5	1874.5	1893.2	1913.7
50°	1723.8	1722.9	1743.4	1759.5	1785.3
52.5°	1591.0	1599.1	1612.4	1626.7	1641.8
55°	1444.0	1447.5	1470.7	1484.1	1493.0
57.5°	1285.3	1296.9	1325.4	1345.0	1353.0
60°	1130.2	1137.3	1157.8	1192.6	1200.6
62.5°	989.4	992.1	1004.5	1043.8	1054.4
65°	854.8	853.0	856.6	883.3	902.9
67.5°	732.7	725.5	725.5	739.8	763.9
70°	616.8	606.1	599.9	604.3	621.3
72.5°	519.6	505.4	489.3	486.7	497.4
75°	421.6	410.0	396.6	384.2	389.5
77.5°	336.0	326.2	313.7	299.5	292.4
80°	251.4	247.8	234.4	221.1	206.8
82.5°	175.6	172.9	164.0	153.3	144.4
85°	103.4	103.4	98.0	90.0	81.1
87.5°	46.3	44.6	46.3	39.2	36.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)