

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: P738666

Luminaire Tested: **24PT-80-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738666
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-L850
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

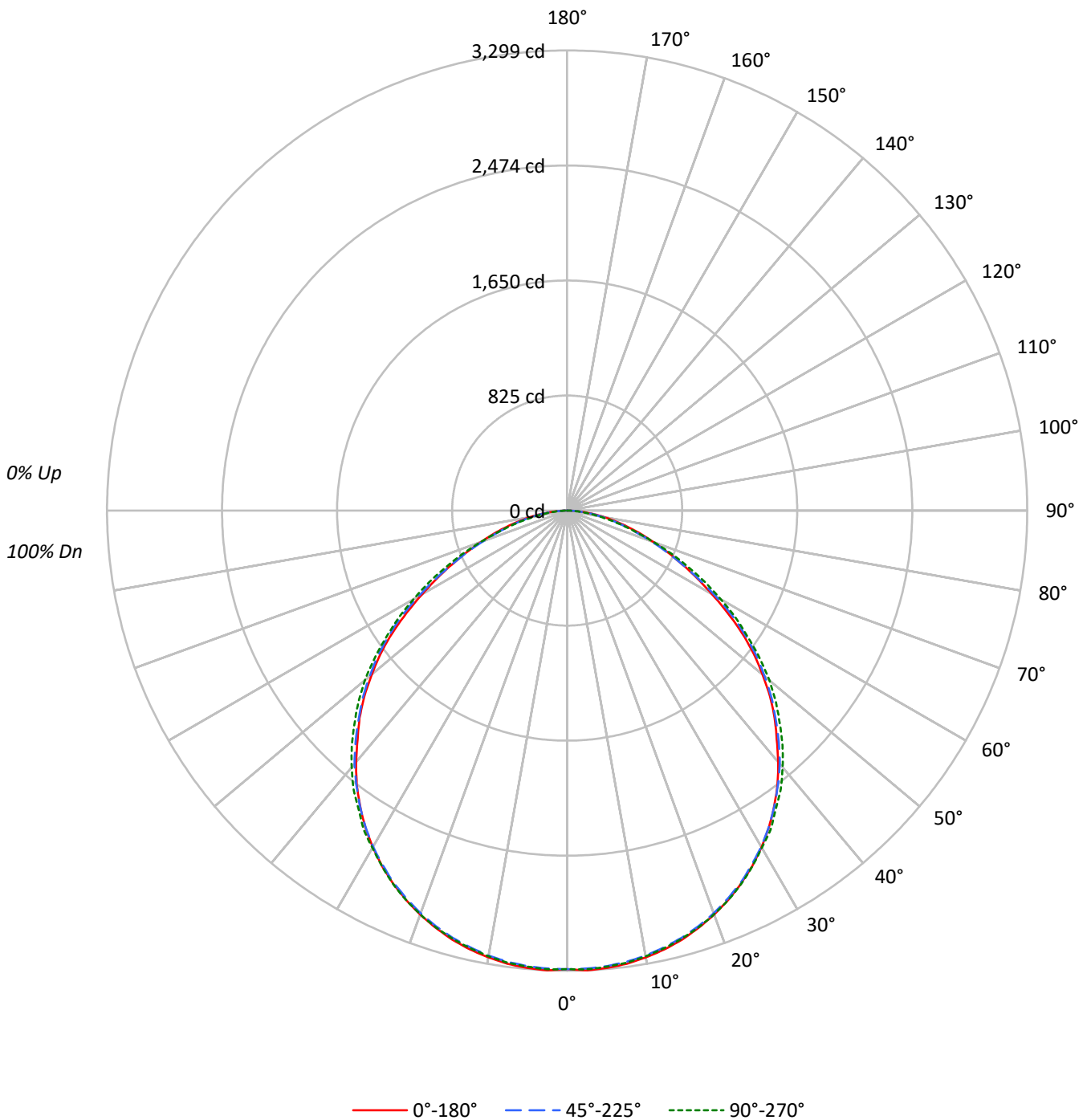
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8703.0 lumens
Efficiency: N/A
Efficacy: 127.4 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 (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	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°	4715	4715	4715
5°	4738	4718	4724
10°	4735	4716	4724
15°	4726	4707	4717
20°	4703	4688	4700
25°	4668	4658	4673
30°	4613	4607	4622
35°	4529	4531	4566
40°	4405	4438	4499
45°	4268	4287	4371
50°	4077	4124	4223
55°	3827	3898	3957
60°	3437	3521	3651
65°	3075	3081	3248
70°	2742	2666	2761
75°	2476	2330	2288
80°	2201	2053	1811
85°	1803	1711	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.9	3.6
10°-20°	895.5	10.3
20°-30°	1356.7	15.6
30°-40°	1621.4	18.6
40°-50°	1635.6	18.8
50°-60°	1387.6	15.9
60°-70°	918.1	10.5
70°-80°	455.6	5.2
80°-90°	120.5	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°	2564.1	29.5
0°-40°	4185.5	48.1
0°-60°	7208.7	82.8
0°-90°	8703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3288	3288	3288	3288	3288	
5°	3292	3280	3278	3276	3282	313
15°	3184	3174	3171	3171	3177	898
25°	2951	2944	2944	2943	2953	1359
35°	2588	2584	2589	2603	2608	1617
45°	2105	2102	2114	2142	2156	1619
55°	1531	1535	1559	1574	1583	1361
65°	906	904	908	937	957	904
75°	447	435	421	407	413	478
85°	110	110	104	96	86	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3288.0	3288.0	3288.0	3288.0	3288.0
2.5°	3299.3	3288.9	3286.1	3284.2	3291.7
5°	3291.7	3280.4	3277.6	3275.7	3282.3
7.5°	3276.6	3264.3	3262.4	3260.5	3269.1
10°	3252.0	3240.7	3238.8	3236.9	3244.5
12.5°	3222.7	3211.4	3207.6	3208.6	3213.3
15°	3184.0	3173.6	3170.8	3170.8	3177.4
17.5°	3135.8	3126.3	3124.5	3123.5	3132.0
20°	3081.9	3072.5	3072.5	3075.3	3080.0
22.5°	3020.5	3013.9	3010.1	3012.0	3021.4
25°	2950.6	2943.9	2943.9	2943.0	2953.4
27.5°	2873.1	2864.6	2864.6	2872.1	2875.9
30°	2786.1	2778.6	2782.3	2788.0	2791.8
32.5°	2692.6	2687.8	2690.7	2699.2	2714.3
35°	2587.6	2583.9	2588.6	2602.8	2608.4
37.5°	2478.0	2475.2	2481.8	2500.7	2516.8
40°	2353.3	2353.3	2371.2	2388.2	2403.4
42.5°	2223.8	2232.3	2245.5	2272.0	2285.2
45°	2104.7	2101.9	2114.2	2142.5	2155.7
47.5°	1972.4	1969.6	1987.5	2007.4	2029.1
50°	1827.8	1826.9	1848.6	1865.6	1893.0
52.5°	1687.0	1695.5	1709.7	1724.8	1740.9
55°	1531.0	1534.8	1559.4	1573.6	1583.0
57.5°	1362.8	1375.1	1405.3	1426.1	1434.6
60°	1198.4	1205.9	1227.7	1264.5	1273.0
62.5°	1049.0	1051.9	1065.1	1106.7	1118.0
65°	906.3	904.4	908.2	936.6	957.4
67.5°	776.9	769.3	769.3	784.4	809.9
70°	654.0	642.7	636.0	640.8	658.7
72.5°	551.0	535.9	518.9	516.0	527.4
75°	447.0	434.7	420.6	407.3	413.0
77.5°	356.3	345.9	332.7	317.5	310.0
80°	266.5	262.7	248.6	234.4	219.3
82.5°	186.2	183.3	173.9	162.6	153.1
85°	109.6	109.6	104.0	95.5	86.0
87.5°	49.1	47.3	49.1	41.6	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)