

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: P738655

Luminaire Tested: **24PT-80-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738655
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-80-PC3-L830
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

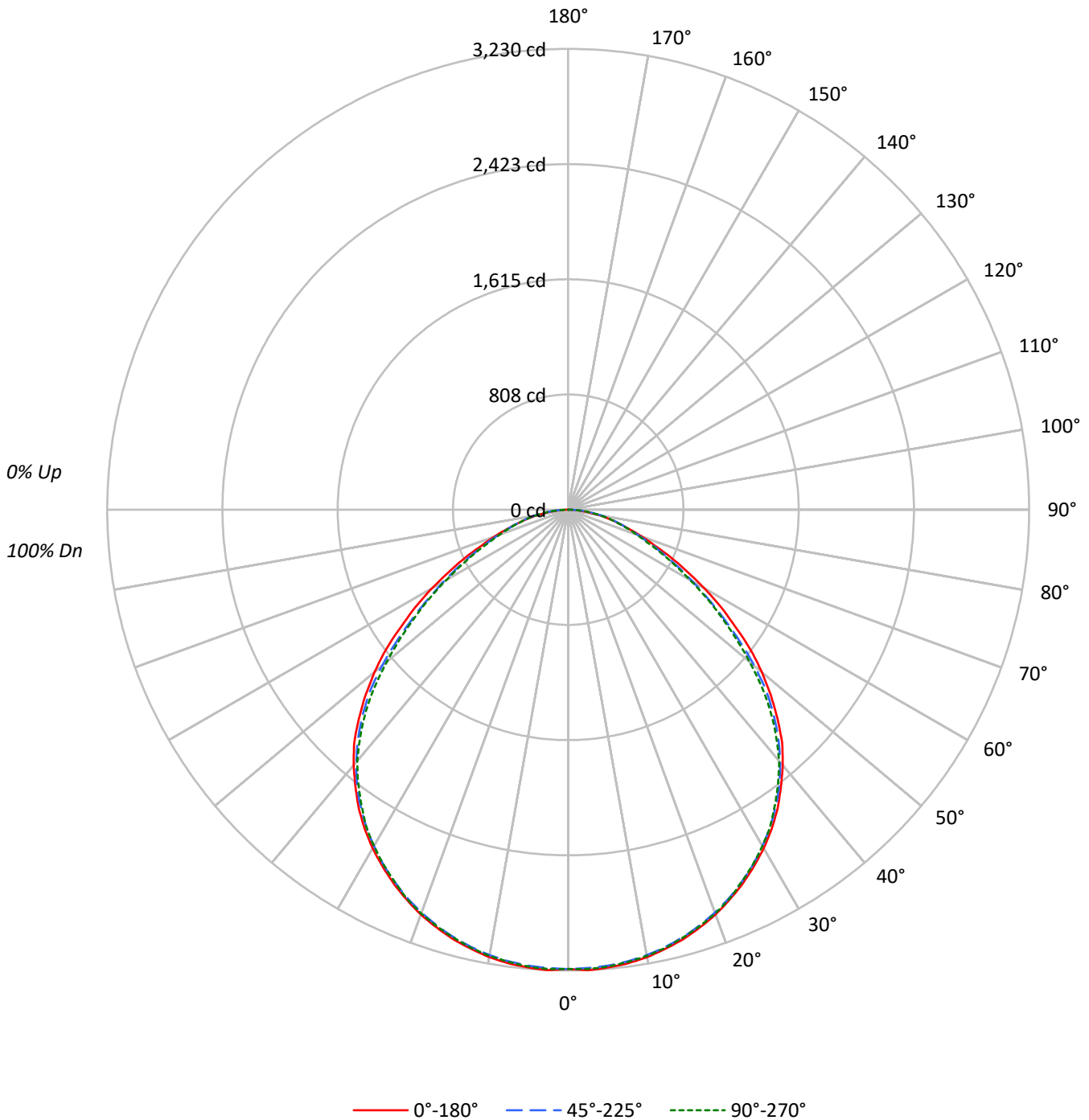
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8121.0 lumens
Efficiency: N/A
Efficacy: 118.9 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): 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	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°	4616	4616	4616
5°	4637	4617	4626
10°	4637	4616	4622
15°	4626	4605	4610
20°	4608	4586	4595
25°	4576	4553	4552
30°	4537	4507	4506
35°	4476	4440	4420
40°	4376	4324	4304
45°	4206	4128	4070
50°	3950	3798	3698
55°	3571	3329	3266
60°	3158	2881	2824
65°	2700	2496	2432
70°	2288	2190	2126
75°	2005	2040	1971
80°	1798	1983	1872
85°	1518	1813	1724



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	3.8
10°-20°	876.2	10.8
20°-30°	1327.3	16.3
30°-40°	1585.3	19.5
40°-50°	1563.9	19.3
50°-60°	1210.7	14.9
60°-70°	744.2	9.2
70°-80°	389.9	4.8
80°-90°	118.2	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°	2508.8	30.9
0°-40°	4094.1	50.4
0°-60°	6868.7	84.6
0°-90°	8121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3220	3220	3220	3220	3220	
5°	3221	3211	3208	3206	3214	306
15°	3116	3107	3102	3099	3106	879
25°	2892	2884	2878	2876	2877	1333
35°	2557	2546	2537	2529	2525	1597
45°	2074	2059	2036	2014	2007	1596
55°	1428	1390	1332	1312	1306	1282
65°	796	759	736	714	717	794
75°	362	366	368	361	356	390
85°	92	103	110	108	105	107
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3219.5	3219.5	3219.5	3219.5	3219.5
2.5°	3230.3	3220.4	3215.9	3215.0	3222.2
5°	3221.3	3211.4	3207.9	3206.1	3214.1
7.5°	3207.0	3196.2	3192.6	3189.9	3197.1
10°	3184.6	3173.8	3170.2	3168.4	3174.7
12.5°	3152.3	3142.4	3139.8	3137.1	3145.1
15°	3116.5	3106.6	3102.1	3099.4	3105.7
17.5°	3069.9	3061.8	3056.4	3056.4	3061.8
20°	3019.7	3009.8	3005.3	3002.7	3011.6
22.5°	2957.9	2951.6	2946.2	2941.7	2951.6
25°	2892.4	2883.5	2878.1	2876.3	2877.2
27.5°	2818.1	2811.8	2804.6	2801.9	2803.7
30°	2740.1	2732.0	2722.2	2716.8	2721.3
32.5°	2653.2	2641.5	2633.5	2628.1	2634.4
35°	2557.3	2545.7	2536.7	2528.6	2525.1
37.5°	2448.0	2444.4	2431.9	2417.5	2416.6
40°	2337.8	2327.9	2310.0	2303.7	2299.3
42.5°	2219.5	2198.9	2180.1	2162.2	2155.9
45°	2074.4	2059.1	2035.8	2014.3	2007.1
47.5°	1925.6	1905.9	1883.5	1845.9	1841.4
50°	1770.6	1741.9	1702.5	1671.1	1657.7
52.5°	1609.3	1570.8	1516.1	1489.2	1482.1
55°	1428.3	1389.8	1331.5	1311.8	1306.4
57.5°	1267.0	1210.6	1163.1	1140.7	1147.8
60°	1101.2	1046.6	1004.5	983.0	984.8
62.5°	939.1	896.0	864.7	844.1	846.8
65°	795.7	759.0	735.7	714.1	716.8
67.5°	655.0	638.0	621.0	608.4	601.2
70°	545.7	538.5	522.4	510.7	507.2
72.5°	446.2	450.7	437.3	433.7	432.8
75°	362.0	365.6	368.3	361.1	355.7
77.5°	289.4	294.8	305.6	295.7	293.9
80°	217.7	228.5	240.1	233.9	226.7
82.5°	152.3	165.8	176.5	168.5	164.9
85°	92.3	103.0	110.2	107.5	104.8
87.5°	41.2	44.8	48.4	49.3	47.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)