

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: P738371

Luminaire Tested: **24PT-100-PC3-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738371
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-100-PC3-L930
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

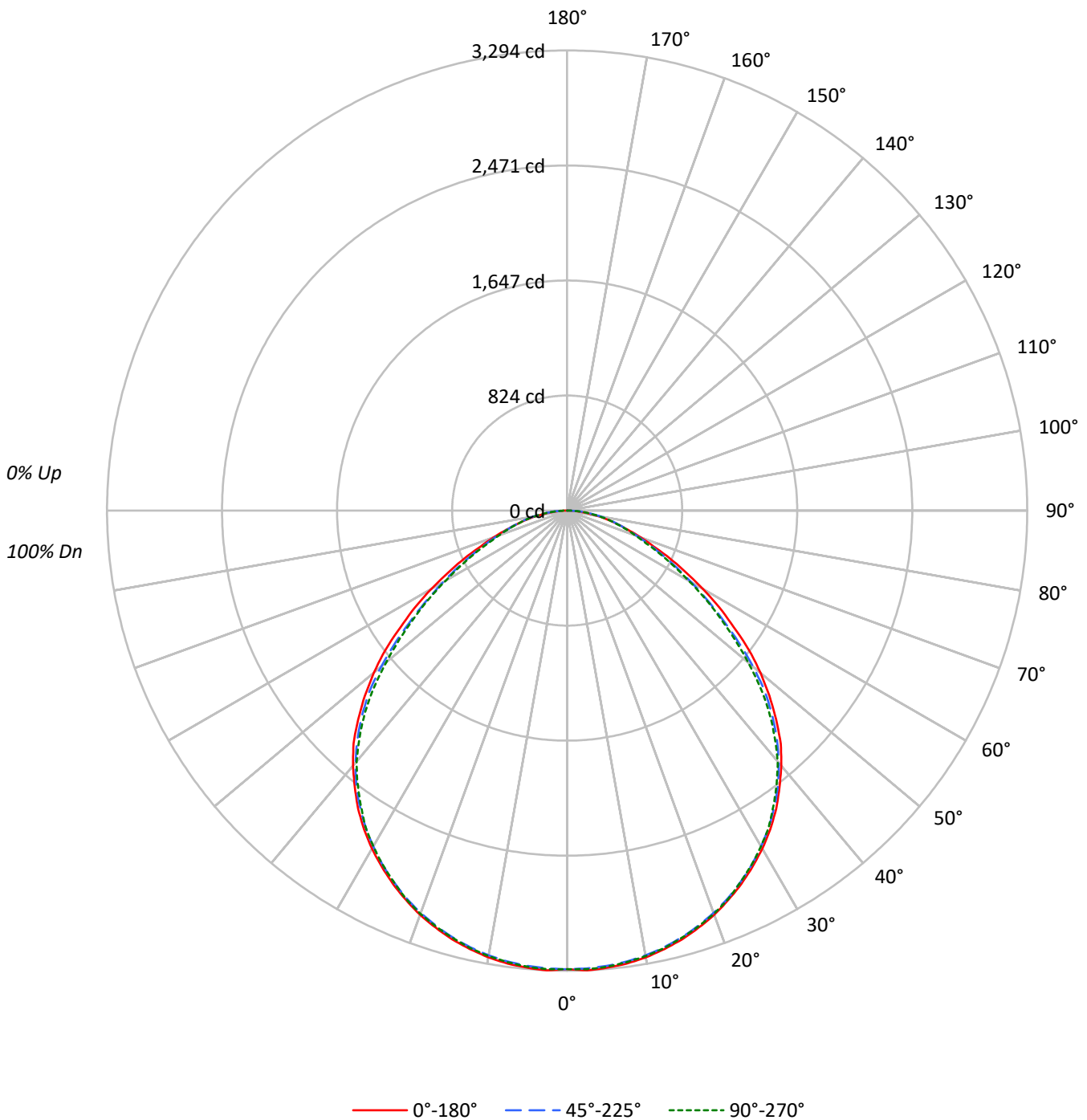
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8282.0 lumens
Efficiency: N/A
Efficacy: 97.0 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): 85.4
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

TEST NUMBER: P738371
CATALOG NUMBER: 24PT-100-PC3-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738371

CATALOG NUMBER: 24PT-100-PC3-L930

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°	4708	4708	4708
5°	4729	4709	4718
10°	4729	4707	4714
15°	4718	4696	4702
20°	4699	4677	4686
25°	4667	4644	4642
30°	4627	4596	4595
35°	4565	4528	4508
40°	4462	4410	4389
45°	4290	4210	4151
50°	4028	3873	3771
55°	3641	3395	3331
60°	3221	2938	2880
65°	2753	2545	2480
70°	2333	2234	2168
75°	2045	2081	2010
80°	1834	2022	1909
85°	1548	1849	1759



TEST NUMBER: P738371

CATALOG NUMBER: 24PT-100-PC3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	3.8
10°-20°	893.6	10.8
20°-30°	1353.6	16.3
30°-40°	1616.8	19.5
40°-50°	1594.9	19.3
50°-60°	1234.7	14.9
60°-70°	758.9	9.2
70°-80°	397.6	4.8
80°-90°	120.5	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°	2558.5	30.9
0°-40°	4175.3	50.4
0°-60°	7004.9	84.6
0°-90°	8282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3283	3283	3283	3283	3283	
5°	3285	3275	3271	3270	3278	312
15°	3178	3168	3164	3161	3167	897
25°	2950	2941	2935	2933	2934	1359
35°	2608	2596	2587	2579	2575	1628
45°	2116	2100	2076	2054	2047	1627
55°	1457	1417	1358	1338	1332	1307
65°	812	774	750	728	731	810
75°	369	373	376	368	363	398
85°	94	105	112	110	107	109
90°	0	0	0	0	0	



TEST NUMBER: P738371

CATALOG NUMBER: 24PT-100-PC3-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3283.3	3283.3	3283.3	3283.3	3283.3
2.5°	3294.3	3284.2	3279.7	3278.8	3286.1
5°	3285.2	3275.1	3271.4	3269.6	3277.8
7.5°	3270.5	3259.6	3255.9	3253.2	3260.5
10°	3247.7	3236.7	3233.1	3231.2	3237.6
12.5°	3214.8	3204.7	3202.0	3199.3	3207.5
15°	3178.2	3168.2	3163.6	3160.9	3167.3
17.5°	3130.7	3122.5	3117.0	3117.0	3122.5
20°	3079.5	3069.5	3064.9	3062.2	3071.3
22.5°	3016.5	3010.1	3004.6	3000.0	3010.1
25°	2949.8	2940.6	2935.2	2933.3	2934.3
27.5°	2873.9	2867.5	2860.2	2857.5	2859.3
30°	2794.4	2786.2	2776.2	2770.7	2775.2
32.5°	2705.8	2693.9	2685.7	2680.2	2686.6
35°	2608.0	2596.1	2587.0	2578.8	2575.1
37.5°	2496.5	2492.9	2480.1	2465.5	2464.6
40°	2384.1	2374.1	2355.8	2349.4	2344.8
42.5°	2263.5	2242.5	2223.3	2205.0	2198.6
45°	2115.5	2099.9	2076.2	2054.2	2046.9
47.5°	1963.8	1943.7	1920.8	1882.5	1877.9
50°	1805.7	1776.5	1736.2	1704.3	1690.6
52.5°	1641.2	1601.9	1546.2	1518.8	1511.4
55°	1456.6	1417.3	1357.9	1337.8	1332.3
57.5°	1292.1	1234.6	1186.1	1163.3	1170.6
60°	1123.1	1067.3	1024.4	1002.5	1004.3
62.5°	957.7	913.8	881.8	860.8	863.6
65°	811.5	774.0	750.2	728.3	731.0
67.5°	668.0	650.6	633.3	620.5	613.2
70°	556.5	549.2	532.8	520.9	517.2
72.5°	455.1	459.6	445.9	442.3	441.4
75°	369.2	372.8	375.6	368.3	362.8
77.5°	295.2	300.6	311.6	301.6	299.7
80°	222.1	233.0	244.9	238.5	231.2
82.5°	155.3	169.1	180.0	171.8	168.1
85°	94.1	105.1	112.4	109.7	106.9
87.5°	42.0	45.7	49.3	50.3	48.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)