

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: P738370

Luminaire Tested: **24PT-100-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738370
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-L850
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

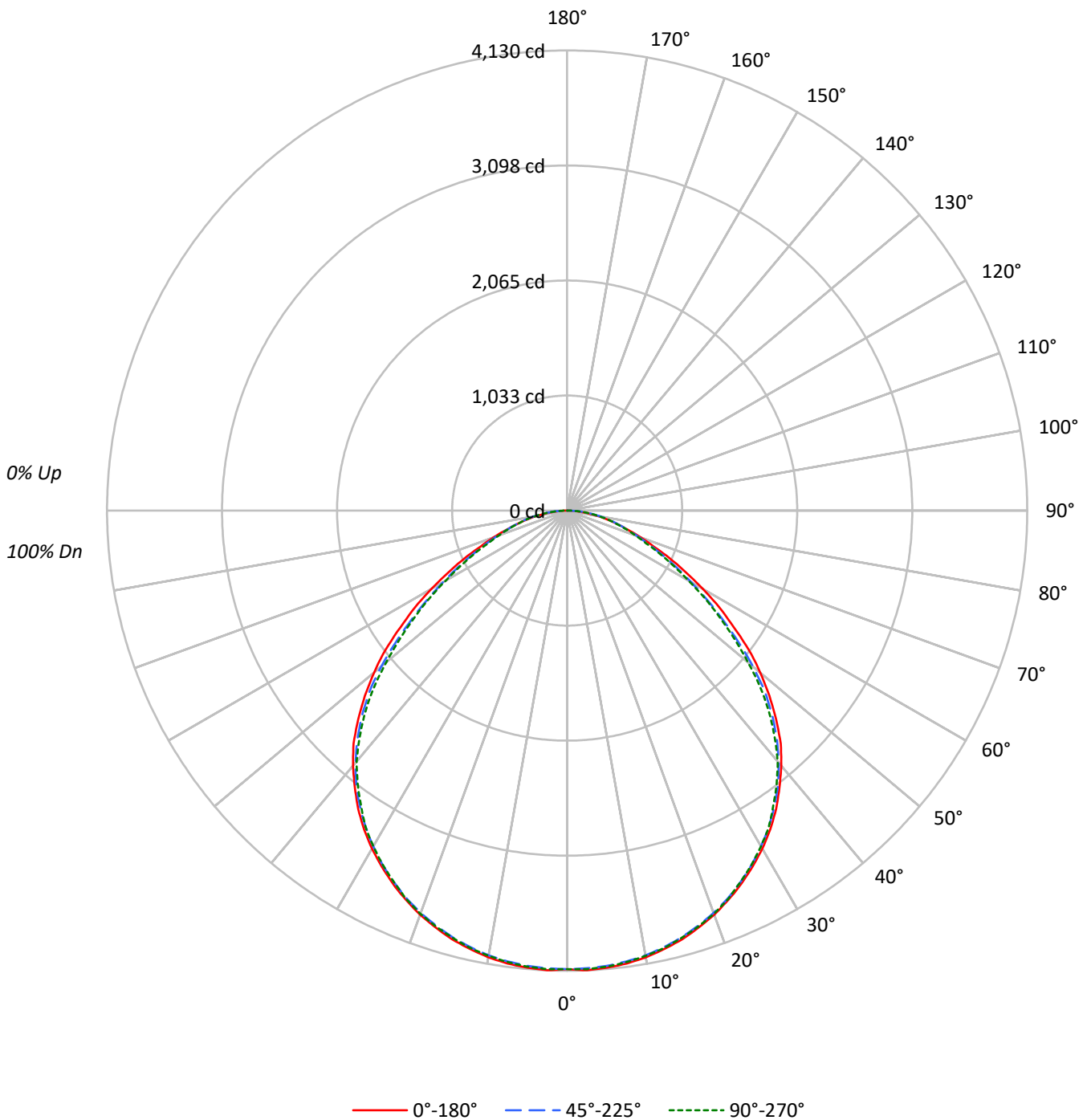
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10382.0 lumens
Efficiency: N/A
Efficacy: 121.6 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: P738370
CATALOG NUMBER: 24PT-100-PC3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738370

CATALOG NUMBER: 24PT-100-PC3-L850

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°	5902	5902	5902
5°	5927	5903	5914
10°	5928	5901	5909
15°	5914	5887	5894
20°	5891	5863	5875
25°	5850	5821	5819
30°	5800	5762	5760
35°	5723	5677	5651
40°	5594	5528	5502
45°	5377	5278	5203
50°	5049	4855	4727
55°	4565	4255	4175
60°	4037	3682	3610
65°	3451	3191	3109
70°	2925	2800	2718
75°	2564	2608	2520
80°	2299	2535	2393
85°	1941	2318	2205



TEST NUMBER: P738370

CATALOG NUMBER: 24PT-100-PC3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	3.8
10°-20°	1120.2	10.8
20°-30°	1696.8	16.3
30°-40°	2026.7	19.5
40°-50°	1999.3	19.3
50°-60°	1547.8	14.9
60°-70°	951.3	9.2
70°-80°	498.5	4.8
80°-90°	151.1	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°	3207.3	30.9
0°-40°	5234.0	50.4
0°-60°	8781.1	84.6
0°-90°	10382.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10382.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4118	4106	4101	4099	4109	392
15°	3984	3972	3966	3962	3970	1124
25°	3698	3686	3679	3677	3678	1704
35°	3269	3254	3243	3233	3228	2041
45°	2652	2632	2603	2575	2566	2040
55°	1826	1777	1702	1677	1670	1639
65°	1017	970	940	913	916	1015
75°	463	467	471	462	455	499
85°	118	132	141	138	134	137
90°	0	0	0	0	0	



TEST NUMBER: P738370

CATALOG NUMBER: 24PT-100-PC3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4115.9	4115.9	4115.9	4115.9	4115.9
2.5°	4129.6	4117.0	4111.3	4110.1	4119.3
5°	4118.1	4105.5	4101.0	4098.7	4109.0
7.5°	4099.8	4086.1	4081.5	4078.1	4087.2
10°	4071.2	4057.4	4052.8	4050.6	4058.6
12.5°	4029.9	4017.3	4013.9	4010.5	4020.8
15°	3984.1	3971.5	3965.8	3962.4	3970.4
17.5°	3924.6	3914.2	3907.4	3907.4	3914.2
20°	3860.4	3847.8	3842.1	3838.6	3850.1
22.5°	3781.4	3773.3	3766.5	3760.7	3773.3
25°	3697.7	3686.3	3679.4	3677.1	3678.3
27.5°	3602.7	3594.6	3585.5	3582.0	3584.3
30°	3503.0	3492.7	3480.1	3473.2	3478.9
32.5°	3391.9	3377.0	3366.7	3359.8	3367.8
35°	3269.3	3254.4	3243.0	3232.7	3228.1
37.5°	3129.6	3125.0	3108.9	3090.6	3089.5
40°	2988.7	2976.1	2953.2	2945.1	2939.4
42.5°	2837.5	2811.1	2787.0	2764.1	2756.1
45°	2651.9	2632.4	2602.6	2575.1	2566.0
47.5°	2461.7	2436.5	2407.9	2359.8	2354.0
50°	2263.5	2226.9	2176.5	2136.4	2119.2
52.5°	2057.4	2008.1	1938.2	1903.9	1894.7
55°	1826.0	1776.7	1702.2	1677.0	1670.2
57.5°	1619.8	1547.6	1486.9	1458.2	1467.4
60°	1407.8	1338.0	1284.1	1256.6	1258.9
62.5°	1200.5	1145.5	1105.4	1079.1	1082.5
65°	1017.2	970.3	940.5	913.0	916.4
67.5°	837.4	815.6	793.8	777.8	768.6
70°	697.6	688.5	667.8	652.9	648.4
72.5°	570.5	576.2	559.0	554.4	553.3
75°	462.8	467.4	470.8	461.6	454.8
77.5°	370.0	376.9	390.6	378.0	375.7
80°	278.4	292.1	307.0	299.0	289.8
82.5°	194.7	211.9	225.7	215.4	210.8
85°	118.0	131.7	140.9	137.5	134.0
87.5°	52.7	57.3	61.9	63.0	60.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)