

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: P738377

Luminaire Tested: **24PT-100-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738377
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-100-PL1-L840
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

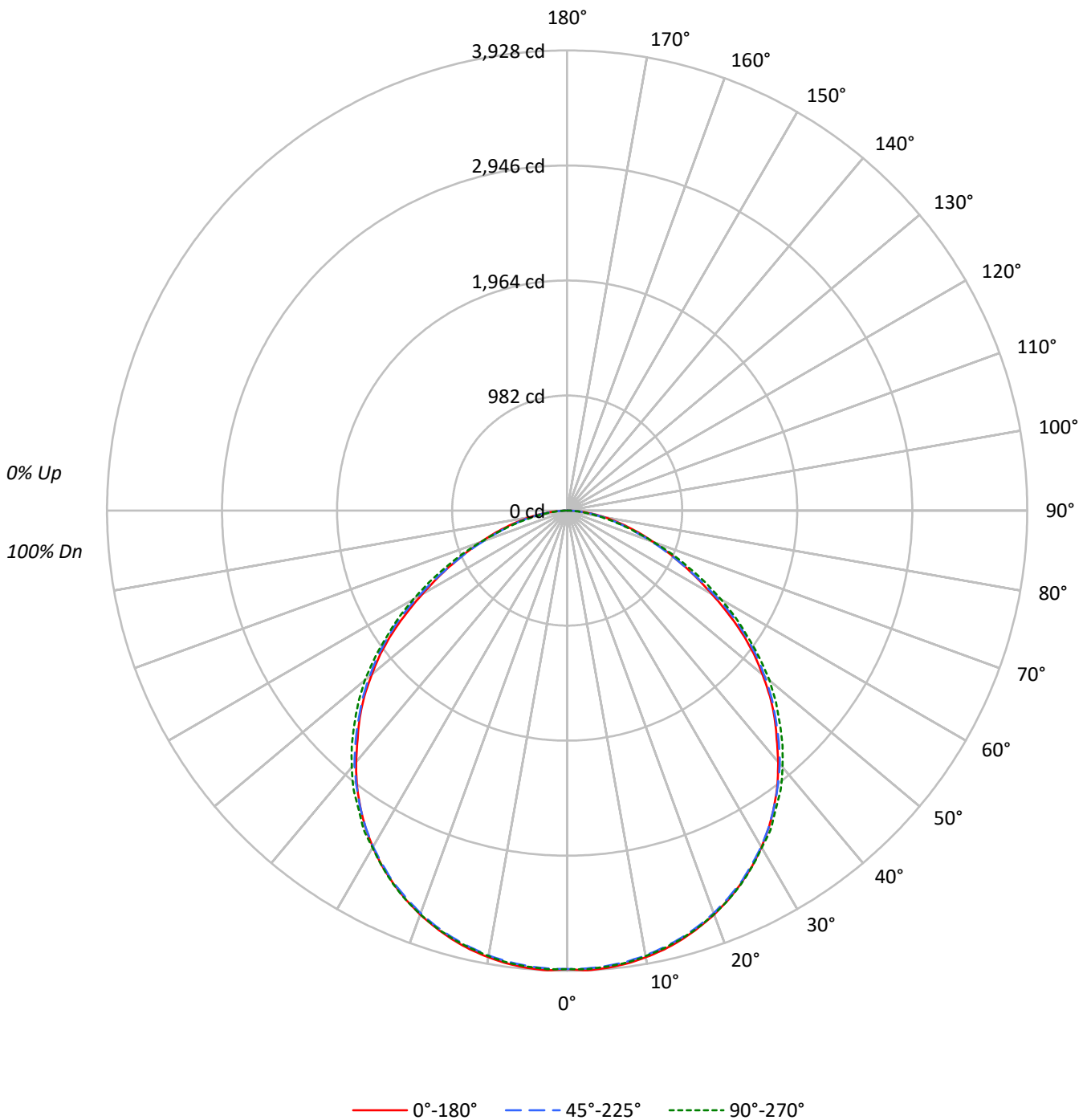
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10361.0 lumens
Efficiency: N/A
Efficacy: 121.3 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): 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: P738377
CATALOG NUMBER: 24PT-100-PL1-L840

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°	5613	5613	5613
5°	5640	5616	5624
10°	5637	5614	5624
15°	5627	5603	5615
20°	5599	5581	5595
25°	5557	5545	5563
30°	5492	5484	5503
35°	5392	5394	5436
40°	5244	5284	5356
45°	5081	5104	5204
50°	4854	4909	5027
55°	4556	4641	4711
60°	4091	4191	4346
65°	3661	3669	3867
70°	3264	3174	3288
75°	2948	2774	2724
80°	2620	2443	2155
85°	2147	2037	1685



TEST NUMBER: P738377

CATALOG NUMBER: 24PT-100-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.3	3.6
10°-20°	1066.1	10.3
20°-30°	1615.2	15.6
30°-40°	1930.2	18.6
40°-50°	1947.2	18.8
50°-60°	1652.0	15.9
60°-70°	1093.0	10.5
70°-80°	542.4	5.2
80°-90°	143.5	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°	3052.6	29.5
0°-40°	4982.9	48.1
0°-60°	8582.0	82.8
0°-90°	10361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3914	3914	3914	3914	3914	
5°	3919	3905	3902	3900	3908	373
15°	3791	3778	3775	3775	3783	1069
25°	3513	3505	3505	3504	3516	1618
35°	3081	3076	3082	3099	3105	1925
45°	2506	2502	2517	2551	2566	1928
55°	1823	1827	1856	1873	1885	1621
65°	1079	1077	1081	1115	1140	1077
75°	532	518	501	485	492	570
85°	130	130	124	114	102	155
90°	0	0	0	0	0	



TEST NUMBER: P738377

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3914.3	3914.3	3914.3	3914.3	3914.3
2.5°	3927.8	3915.5	3912.1	3909.8	3918.8
5°	3918.8	3905.3	3902.0	3899.7	3907.6
7.5°	3900.8	3886.2	3884.0	3881.7	3891.8
10°	3871.6	3858.1	3855.8	3853.6	3862.6
12.5°	3836.7	3823.2	3818.7	3819.8	3825.5
15°	3790.6	3778.2	3774.8	3774.8	3782.7
17.5°	3733.2	3721.9	3719.7	3718.6	3728.7
20°	3669.1	3657.8	3657.8	3661.2	3666.8
22.5°	3595.9	3588.1	3583.6	3585.8	3597.1
25°	3512.7	3504.8	3504.8	3503.7	3516.0
27.5°	3420.4	3410.3	3410.3	3419.3	3423.8
30°	3316.9	3307.9	3312.4	3319.1	3323.6
32.5°	3205.5	3199.9	3203.3	3213.4	3231.4
35°	3080.6	3076.1	3081.7	3098.6	3105.4
37.5°	2950.1	2946.7	2954.6	2977.1	2996.2
40°	2801.6	2801.6	2823.0	2843.2	2861.2
42.5°	2647.4	2657.6	2673.3	2704.8	2720.6
45°	2505.7	2502.3	2516.9	2550.7	2566.4
47.5°	2348.2	2344.8	2366.2	2389.8	2415.7
50°	2176.0	2174.9	2200.8	2221.0	2253.6
52.5°	2008.4	2018.5	2035.4	2053.4	2072.5
55°	1822.7	1827.2	1856.5	1873.3	1884.6
57.5°	1622.4	1637.1	1673.1	1697.8	1708.0
60°	1426.7	1435.7	1461.5	1505.4	1515.6
62.5°	1248.9	1252.3	1268.0	1317.5	1331.0
65°	1079.0	1076.8	1081.3	1115.0	1139.8
67.5°	924.9	915.9	915.9	933.9	964.2
70°	778.6	765.1	757.2	762.8	784.2
72.5°	656.0	638.0	617.7	614.3	627.8
75°	532.2	517.6	500.7	484.9	491.7
77.5°	424.2	411.8	396.0	378.0	369.0
80°	317.3	312.8	295.9	279.0	261.0
82.5°	221.7	218.3	207.0	193.5	182.3
85°	130.5	130.5	123.8	113.6	102.4
87.5°	58.5	56.3	58.5	49.5	46.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)