

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: P738392

Luminaire Tested: **24PT-100-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-100-PW1-L835
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

Summary

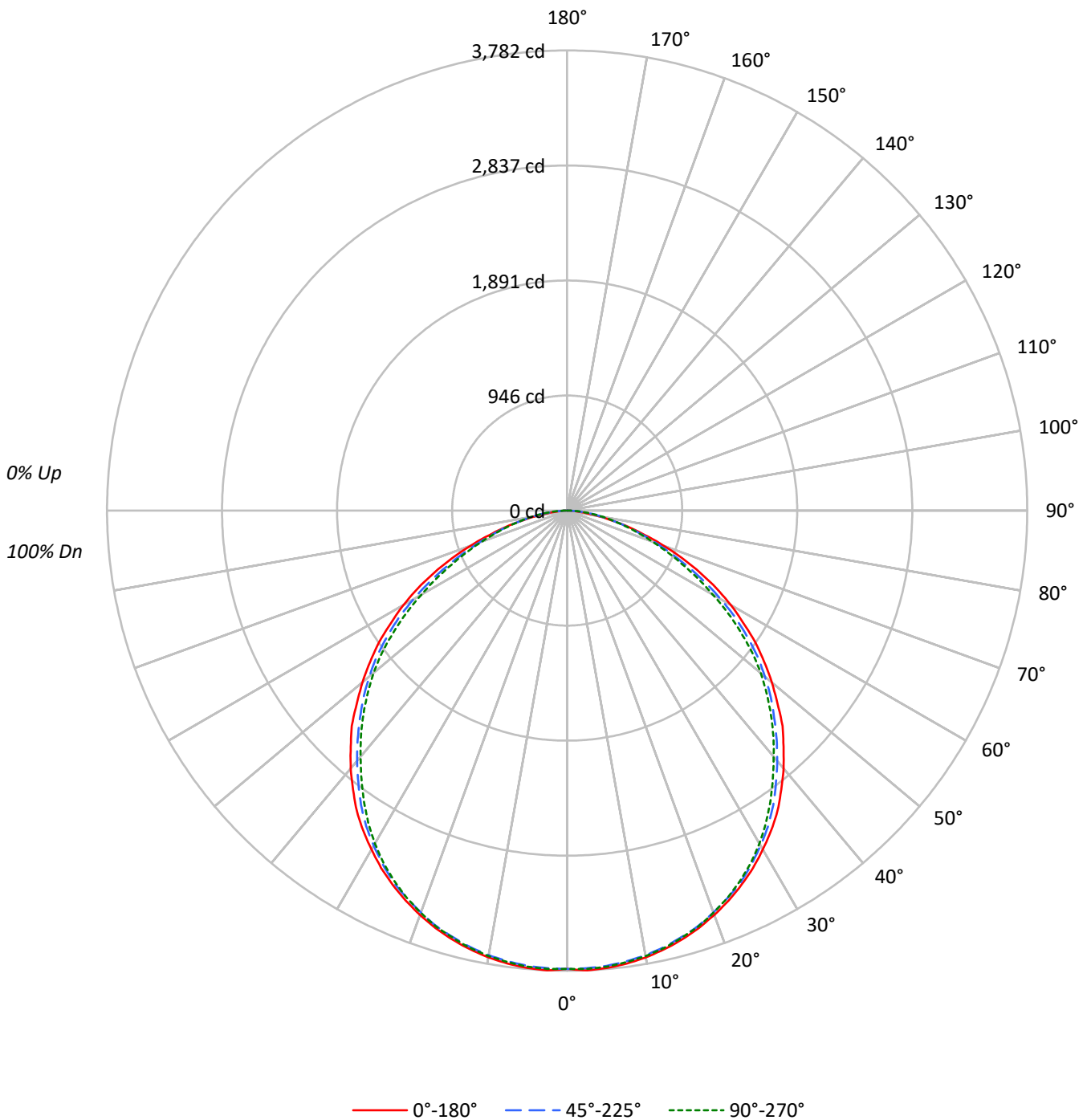
Lumens per Lamp: N/A
Luminaire Lumens: 10045.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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

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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5402	5402	5402
5°	5432	5405	5416
10°	5428	5403	5412
15°	5418	5389	5395
20°	5396	5365	5368
25°	5367	5336	5316
30°	5325	5264	5231
35°	5277	5170	5098
40°	5180	5027	4944
45°	5077	4881	4801
50°	4898	4733	4633
55°	4718	4517	4354
60°	4460	4185	3970
65°	4083	3728	3536
70°	3539	3233	3114
75°	2896	2788	2751
80°	2113	2383	2455
85°	1415	1989	2114



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	3.6
10°-20°	1025.7	10.2
20°-30°	1552.4	15.5
30°-40°	1847.1	18.4
40°-50°	1865.8	18.6
50°-60°	1614.4	16.1
60°-70°	1102.9	11.0
70°-80°	543.5	5.4
80°-90°	135.8	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°	2935.4	29.2
0°-40°	4782.5	47.6
0°-60°	8262.8	82.3
0°-90°	10045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3767	3767	3767	3767	3767	
5°	3774	3760	3755	3752	3763	359
15°	3650	3638	3630	3628	3634	1030
25°	3393	3380	3373	3360	3360	1563
35°	3015	2990	2954	2921	2912	1882
45°	2504	2461	2407	2380	2368	1923
55°	1887	1861	1807	1769	1742	1681
65°	1204	1158	1099	1063	1042	1189
75°	523	508	503	500	497	559
85°	86	107	121	125	128	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3767.3	3767.3	3767.3	3767.3	3767.3
2.5°	3782.5	3768.4	3764.0	3760.7	3770.5
5°	3773.8	3759.6	3755.3	3752.0	3762.9
7.5°	3755.3	3741.1	3736.8	3733.5	3742.2
10°	3728.1	3715.0	3710.6	3707.4	3717.2
12.5°	3693.2	3681.2	3675.8	3671.4	3682.3
15°	3649.6	3637.7	3630.0	3627.9	3634.4
17.5°	3597.4	3585.4	3579.9	3576.7	3584.3
20°	3536.4	3523.3	3515.7	3511.3	3517.9
22.5°	3468.8	3455.8	3446.0	3441.6	3443.8
25°	3392.6	3379.5	3373.0	3359.9	3359.9
27.5°	3310.9	3295.7	3279.3	3265.2	3266.3
30°	3216.2	3198.7	3179.1	3160.6	3159.5
32.5°	3120.3	3098.5	3074.6	3049.5	3041.9
35°	3014.7	2989.6	2953.7	2921.0	2912.3
37.5°	2890.5	2867.7	2819.7	2792.5	2778.3
40°	2767.5	2734.8	2685.8	2654.2	2641.1
42.5°	2632.4	2600.8	2548.5	2519.1	2508.2
45°	2503.9	2461.4	2407.0	2379.7	2367.7
47.5°	2343.8	2308.9	2270.8	2239.2	2224.0
50°	2195.7	2167.3	2121.6	2086.8	2077.0
52.5°	2041.0	2017.0	1973.5	1927.7	1916.8
55°	1887.4	1861.3	1806.8	1768.7	1741.5
57.5°	1714.3	1691.4	1640.2	1591.2	1567.2
60°	1555.3	1516.1	1459.4	1406.1	1384.3
62.5°	1382.1	1344.0	1278.6	1224.2	1212.2
65°	1203.5	1157.7	1098.9	1063.0	1042.3
67.5°	1022.7	978.0	929.0	906.1	893.1
70°	844.1	808.1	771.1	754.8	742.8
72.5°	672.0	651.3	630.6	624.1	613.2
75°	522.8	507.5	503.2	499.9	496.6
77.5°	376.8	384.5	388.8	393.2	388.8
80°	255.9	272.3	288.6	297.3	297.3
82.5°	157.9	186.2	200.4	209.1	208.0
85°	86.0	106.7	120.9	125.2	128.5
87.5°	34.9	43.6	49.0	53.4	55.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)