

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: P738368

Luminaire Tested: **24PT-100-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738368
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-L835
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

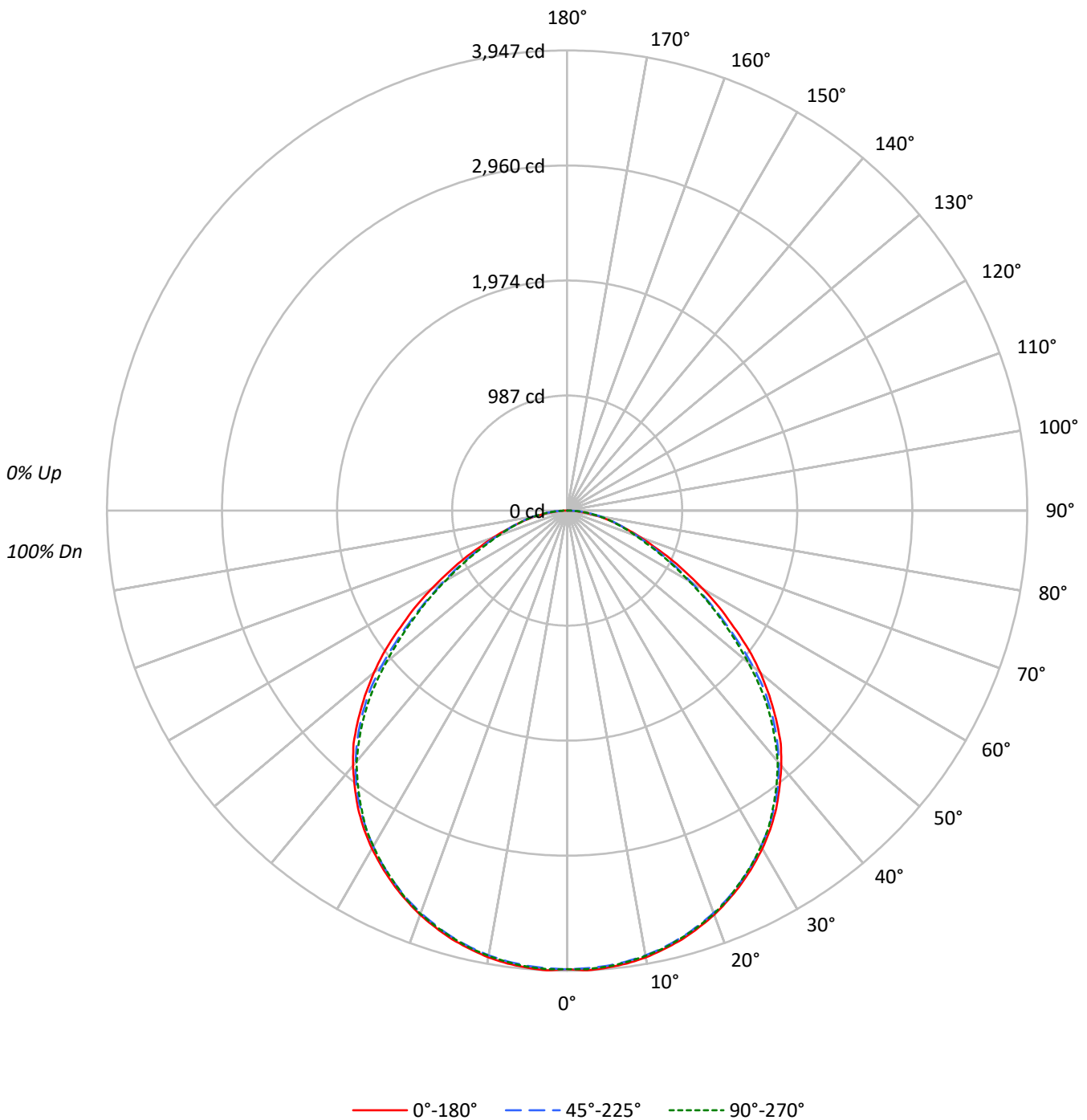
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9923.0 lumens
Efficiency: N/A
Efficacy: 116.2 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

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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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5641	5641	5641
5°	5665	5642	5653
10°	5666	5640	5648
15°	5653	5627	5633
20°	5630	5603	5615
25°	5592	5564	5562
30°	5543	5507	5505
35°	5470	5426	5401
40°	5347	5283	5259
45°	5140	5044	4973
50°	4826	4641	4518
55°	4363	4067	3991
60°	3859	3520	3451
65°	3298	3050	2972
70°	2795	2676	2598
75°	2450	2493	2408
80°	2197	2423	2287
85°	1856	2216	2107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.0	3.8
10°-20°	1070.6	10.8
20°-30°	1621.8	16.3
30°-40°	1937.1	19.5
40°-50°	1910.9	19.3
50°-60°	1479.3	14.9
60°-70°	909.3	9.2
70°-80°	476.4	4.8
80°-90°	144.4	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°	3065.5	30.9
0°-40°	5002.6	50.4
0°-60°	8392.9	84.6
0°-90°	9923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3934	3934	3934	3934	3934	
5°	3936	3924	3920	3918	3927	374
15°	3808	3796	3790	3787	3795	1074
25°	3534	3523	3517	3514	3516	1628
35°	3125	3110	3100	3090	3085	1951
45°	2535	2516	2488	2461	2452	1950
55°	1745	1698	1627	1603	1596	1566
65°	972	927	899	873	876	970
75°	442	447	450	441	435	477
85°	113	126	135	131	128	131
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3933.9	3933.9	3933.9	3933.9	3933.9
2.5°	3947.0	3935.0	3929.5	3928.4	3937.2
5°	3936.1	3924.0	3919.7	3917.5	3927.3
7.5°	3918.6	3905.4	3901.0	3897.8	3906.5
10°	3891.2	3878.0	3873.7	3871.5	3879.1
12.5°	3851.8	3839.7	3836.4	3833.2	3843.0
15°	3808.0	3795.9	3790.5	3787.2	3794.8
17.5°	3751.0	3741.2	3734.6	3734.6	3741.2
20°	3689.7	3677.7	3672.2	3668.9	3679.9
22.5°	3614.2	3606.5	3599.9	3594.5	3606.5
25°	3534.3	3523.3	3516.7	3514.5	3515.6
27.5°	3443.4	3435.7	3427.0	3423.7	3425.9
30°	3348.1	3338.3	3326.2	3319.7	3325.1
32.5°	3241.9	3227.7	3217.8	3211.3	3218.9
35°	3124.8	3110.5	3099.6	3089.7	3085.4
37.5°	2991.2	2986.8	2971.5	2954.0	2952.9
40°	2856.5	2844.5	2822.6	2814.9	2809.4
42.5°	2712.0	2686.8	2663.8	2641.9	2634.3
45°	2534.6	2516.0	2487.6	2461.3	2452.5
47.5°	2352.9	2328.8	2301.4	2255.4	2250.0
50°	2163.5	2128.4	2080.3	2041.9	2025.5
52.5°	1966.4	1919.3	1852.5	1819.7	1810.9
55°	1745.2	1698.2	1627.0	1602.9	1596.3
57.5°	1548.2	1479.2	1421.1	1393.8	1402.5
60°	1345.6	1278.8	1227.4	1201.1	1203.3
62.5°	1147.4	1094.9	1056.6	1031.4	1034.7
65°	972.2	927.4	898.9	872.6	875.9
67.5°	800.4	779.6	758.7	743.4	734.7
70°	666.8	658.0	638.3	624.1	619.7
72.5°	545.2	550.7	534.3	529.9	528.8
75°	442.3	446.7	450.0	441.2	434.7
77.5°	353.6	360.2	373.4	361.3	359.1
80°	266.1	279.2	293.4	285.8	277.0
82.5°	186.1	202.6	215.7	205.8	201.5
85°	112.8	125.9	134.7	131.4	128.1
87.5°	50.4	54.7	59.1	60.2	58.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)