

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: P738372

Luminaire Tested: **24PT-100-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738372
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-L935
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

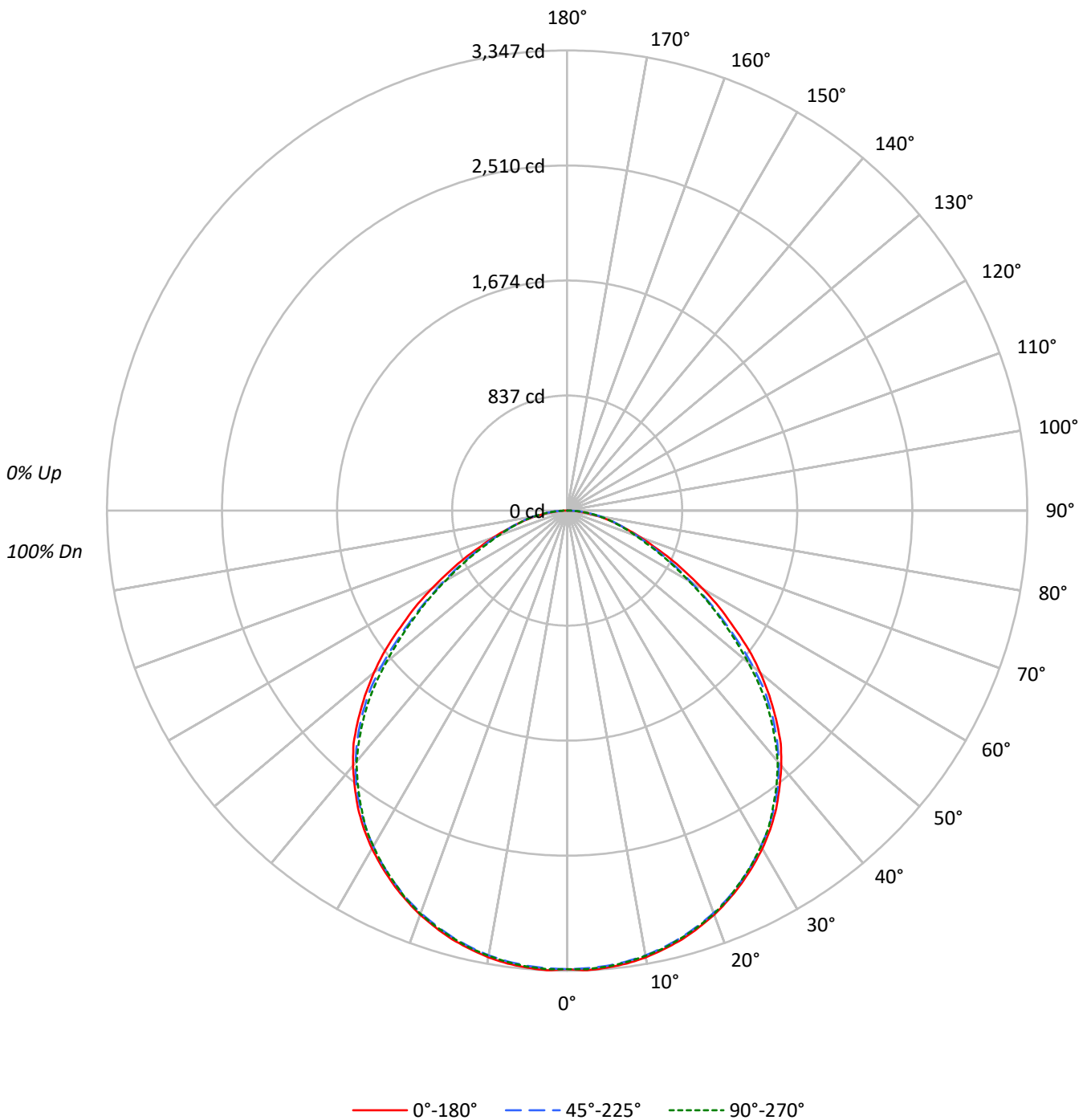
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8414.0 lumens
Efficiency: N/A
Efficacy: 98.5 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				
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°	4783	4783	4783
5°	4804	4784	4793
10°	4804	4782	4789
15°	4793	4771	4777
20°	4774	4751	4761
25°	4741	4718	4716
30°	4700	4670	4668
35°	4638	4600	4579
40°	4534	4480	4459
45°	4358	4277	4217
50°	4092	3935	3831
55°	3699	3449	3384
60°	3272	2984	2926
65°	2797	2586	2520
70°	2370	2269	2203
75°	2078	2114	2042
80°	1863	2054	1940
85°	1573	1879	1787



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.3	3.8
10°-20°	907.8	10.8
20°-30°	1375.2	16.3
30°-40°	1642.6	19.5
40°-50°	1620.3	19.3
50°-60°	1254.4	14.9
60°-70°	771.0	9.2
70°-80°	404.0	4.8
80°-90°	122.5	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°	2599.3	30.9
0°-40°	4241.9	50.4
0°-60°	7116.5	84.6
0°-90°	8414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3336	3336	3336	3336	3336	
5°	3338	3327	3324	3322	3330	317
15°	3229	3219	3214	3211	3218	911
25°	2997	2988	2982	2980	2981	1381
35°	2650	2638	2628	2620	2616	1654
45°	2149	2133	2109	2087	2080	1653
55°	1480	1440	1380	1359	1354	1328
65°	824	786	762	740	743	822
75°	375	379	382	374	369	404
85°	96	107	114	111	109	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3335.7	3335.7	3335.7	3335.7	3335.7
2.5°	3346.8	3336.6	3331.9	3331.0	3338.4
5°	3337.5	3327.3	3323.6	3321.7	3330.1
7.5°	3322.7	3311.5	3307.8	3305.0	3312.4
10°	3299.4	3288.3	3284.6	3282.7	3289.2
12.5°	3266.0	3255.8	3253.0	3250.2	3258.6
15°	3228.9	3218.7	3214.0	3211.3	3217.8
17.5°	3180.6	3172.3	3166.7	3166.7	3172.3
20°	3128.6	3118.4	3113.8	3111.0	3120.3
22.5°	3064.6	3058.1	3052.5	3047.9	3058.1
25°	2996.8	2987.5	2981.9	2980.1	2981.0
27.5°	2919.7	2913.2	2905.8	2903.0	2904.9
30°	2839.0	2830.6	2820.4	2814.8	2819.5
32.5°	2748.9	2736.9	2728.5	2722.9	2729.4
35°	2649.6	2637.5	2628.2	2619.9	2616.2
37.5°	2536.3	2532.6	2519.6	2504.8	2503.8
40°	2422.1	2411.9	2393.4	2386.9	2382.2
42.5°	2299.6	2278.2	2258.7	2240.2	2233.7
45°	2149.2	2133.4	2109.3	2087.0	2079.6
47.5°	1995.1	1974.7	1951.4	1912.5	1907.8
50°	1834.5	1804.8	1763.9	1731.4	1717.5
52.5°	1667.4	1627.4	1570.8	1543.0	1535.5
55°	1479.8	1439.9	1379.6	1359.1	1353.6
57.5°	1312.7	1254.2	1205.0	1181.8	1189.3
60°	1141.0	1084.3	1040.7	1018.4	1020.3
62.5°	972.9	928.4	895.9	874.5	877.3
65°	824.4	786.3	762.2	739.9	742.7
67.5°	678.6	661.0	643.4	630.4	622.9
70°	565.4	558.0	541.2	529.2	525.5
72.5°	462.3	467.0	453.0	449.3	448.4
75°	375.1	378.8	381.6	374.1	368.6
77.5°	299.9	305.4	316.6	306.4	304.5
80°	225.6	236.7	248.8	242.3	234.9
82.5°	157.8	171.7	182.9	174.5	170.8
85°	95.6	106.8	114.2	111.4	108.6
87.5°	42.7	46.4	50.1	51.1	49.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)