

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: P738374

Luminaire Tested: **24PT-100-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738374
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-L950
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

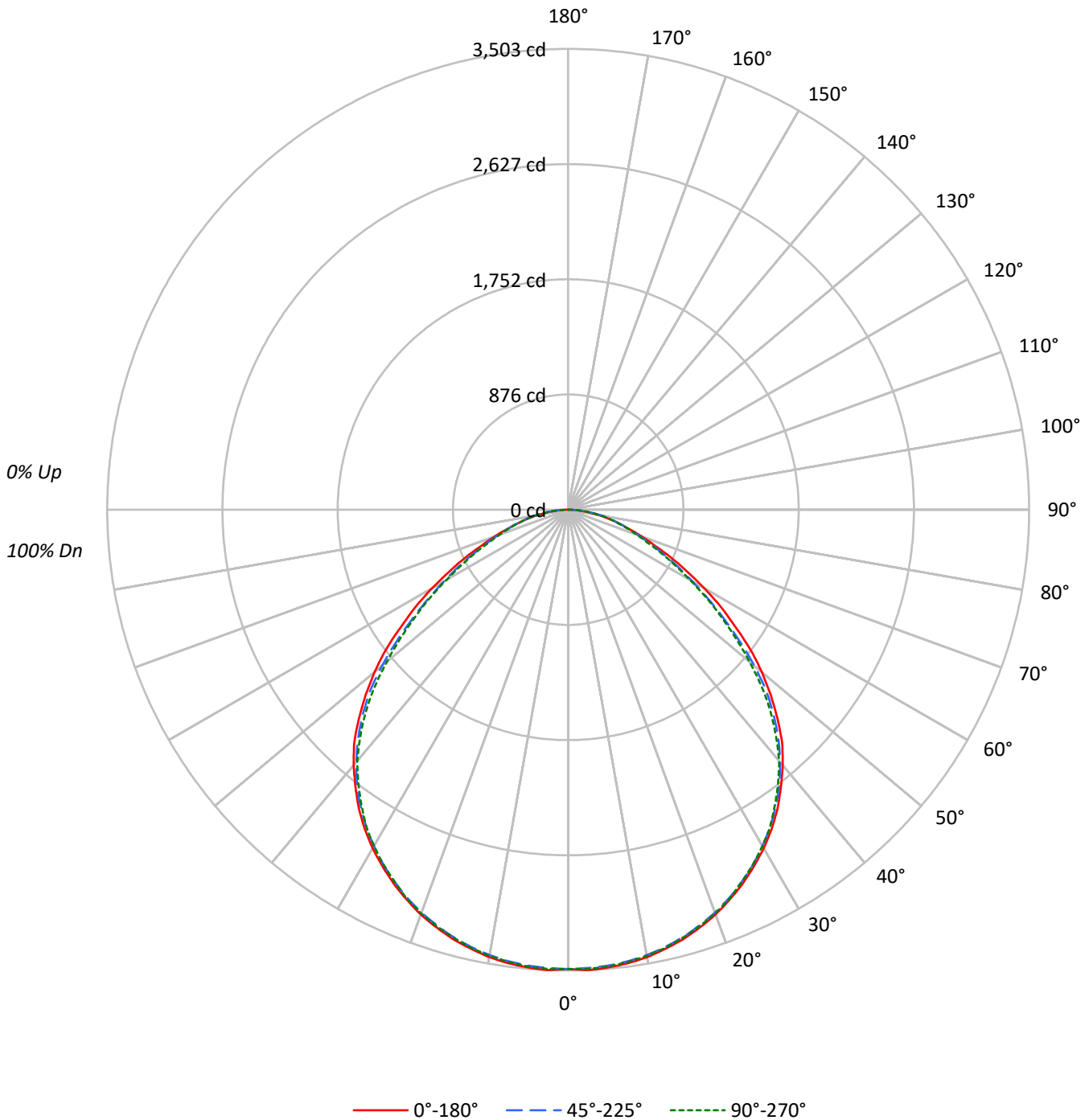
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8807.0 lumens
Efficiency: N/A
Efficacy: 103.1 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	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°	5006	5006	5006
5°	5028	5007	5017
10°	5028	5006	5013
15°	5017	4994	5000
20°	4997	4973	4984
25°	4963	4938	4937
30°	4920	4888	4886
35°	4854	4815	4793
40°	4746	4689	4667
45°	4562	4477	4414
50°	4283	4119	4010
55°	3872	3610	3542
60°	3425	3124	3062
65°	2928	2707	2638
70°	2481	2375	2306
75°	2175	2213	2137
80°	1950	2150	2030
85°	1647	1966	1871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.1	3.8
10°-20°	950.2	10.8
20°-30°	1439.4	16.3
30°-40°	1719.3	19.5
40°-50°	1696.0	19.3
50°-60°	1313.0	14.9
60°-70°	807.0	9.2
70°-80°	422.8	4.8
80°-90°	128.2	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°	2720.7	30.9
0°-40°	4440.0	50.4
0°-60°	7448.9	84.6
0°-90°	8807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3492	3492	3492	3492	3492	
5°	3493	3483	3479	3477	3486	332
15°	3380	3369	3364	3361	3368	954
25°	3137	3127	3121	3119	3120	1445
35°	2773	2761	2751	2742	2738	1731
45°	2250	2233	2208	2184	2177	1731
55°	1549	1507	1444	1423	1417	1390
65°	863	823	798	774	777	861
75°	393	396	399	392	386	423
85°	100	112	120	117	114	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3491.5	3491.5	3491.5	3491.5	3491.5
2.5°	3503.1	3492.4	3487.6	3486.6	3494.4
5°	3493.4	3482.7	3478.8	3476.9	3485.6
7.5°	3477.9	3466.2	3462.3	3459.4	3467.2
10°	3453.6	3441.9	3438.0	3436.1	3442.9
12.5°	3418.6	3407.9	3405.0	3402.1	3410.8
15°	3379.7	3369.0	3364.2	3361.2	3368.0
17.5°	3329.2	3320.4	3314.6	3314.6	3320.4
20°	3274.8	3264.1	3259.2	3256.3	3266.0
22.5°	3207.7	3200.9	3195.1	3190.2	3200.9
25°	3136.8	3127.1	3121.2	3119.3	3120.3
27.5°	3056.1	3049.3	3041.5	3038.6	3040.6
30°	2971.6	2962.8	2952.1	2946.3	2951.2
32.5°	2877.3	2864.7	2855.9	2850.1	2856.9
35°	2773.3	2760.7	2751.0	2742.2	2738.4
37.5°	2654.8	2650.9	2637.3	2621.8	2620.8
40°	2535.3	2524.6	2505.1	2498.3	2493.5
42.5°	2407.0	2384.6	2364.2	2344.8	2338.0
45°	2249.6	2233.1	2207.8	2184.5	2176.7
47.5°	2088.3	2066.9	2042.6	2001.8	1996.9
50°	1920.2	1889.1	1846.3	1812.3	1797.7
52.5°	1745.2	1703.5	1644.2	1615.0	1607.3
55°	1549.0	1507.2	1444.0	1422.6	1416.8
57.5°	1374.0	1312.8	1261.3	1237.0	1244.8
60°	1194.3	1135.0	1089.3	1066.0	1067.9
62.5°	1018.4	971.7	937.7	915.4	918.3
65°	862.9	823.1	797.8	774.5	777.4
67.5°	710.3	691.9	673.4	659.8	652.0
70°	591.8	584.0	566.5	553.9	550.0
72.5°	483.9	488.8	474.2	470.3	469.3
75°	392.6	396.5	399.4	391.6	385.8
77.5°	313.9	319.7	331.4	320.7	318.7
80°	236.1	247.8	260.4	253.6	245.8
82.5°	165.2	179.8	191.4	182.7	178.8
85°	100.1	111.7	119.5	116.6	113.7
87.5°	44.7	48.6	52.5	53.4	51.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)