

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: P738713

Luminaire Tested: **24PT-90-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738713
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-90-PW1-L840
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

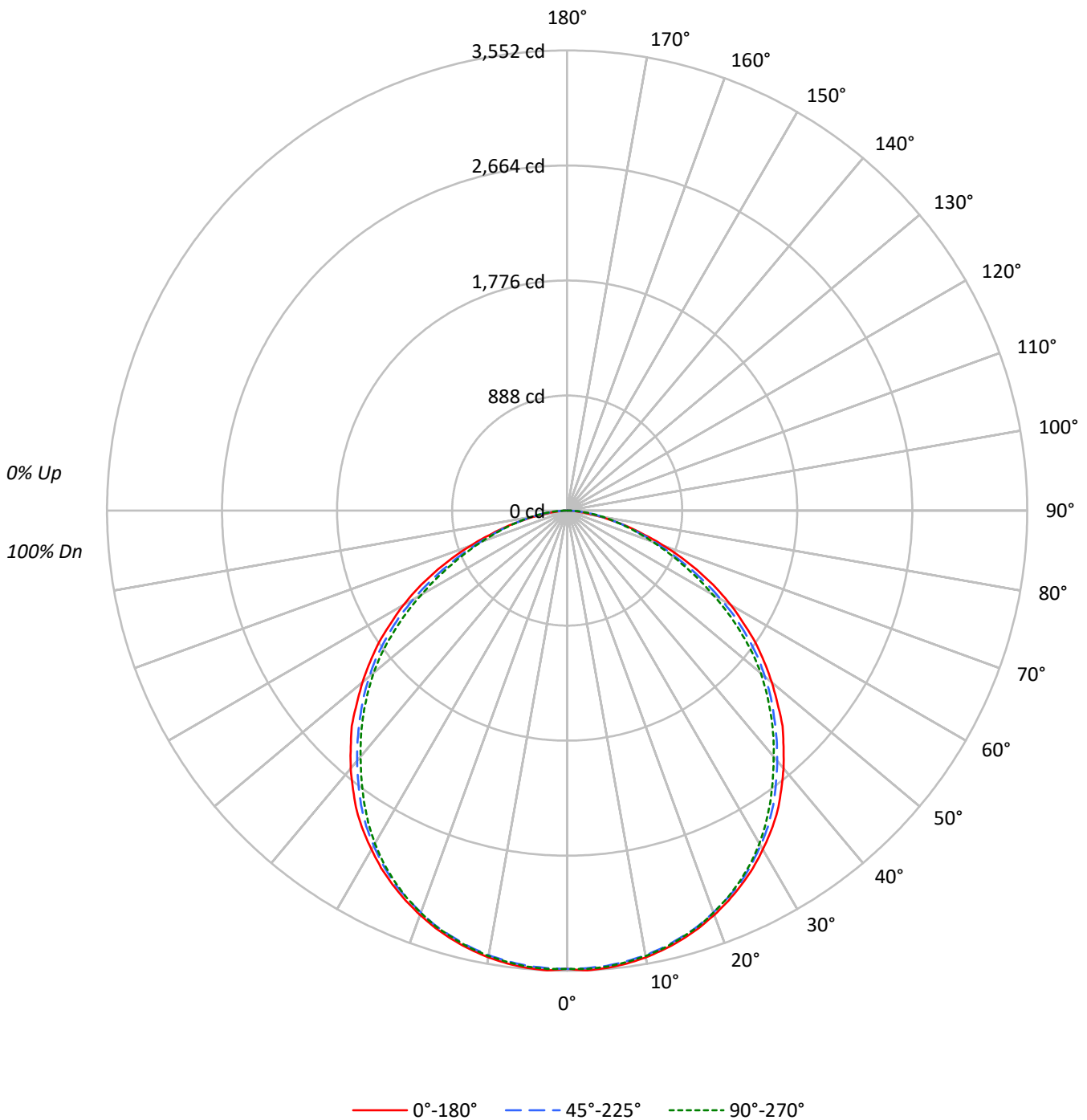
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9434.0 lumens
Efficiency: N/A
Efficacy: 124.6 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): 75.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	5073	5073	5073
5°	5101	5076	5087
10°	5098	5074	5083
15°	5088	5061	5067
20°	5068	5038	5041
25°	5041	5012	4992
30°	5001	4944	4913
35°	4956	4856	4788
40°	4865	4721	4643
45°	4769	4584	4509
50°	4600	4445	4351
55°	4431	4242	4089
60°	4189	3930	3728
65°	3835	3502	3321
70°	3323	3036	2925
75°	2720	2618	2584
80°	1985	2239	2305
85°	1329	1867	1986



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	3.6
10°-20°	963.3	10.2
20°-30°	1458.0	15.5
30°-40°	1734.8	18.4
40°-50°	1752.3	18.6
50°-60°	1516.2	16.1
60°-70°	1035.8	11.0
70°-80°	510.5	5.4
80°-90°	127.6	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°	2756.9	29.2
0°-40°	4491.6	47.6
0°-60°	7760.2	82.3
0°-90°	9434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3538	3538	3538	3538	3538	
5°	3544	3531	3527	3524	3534	337
15°	3428	3416	3409	3407	3413	967
25°	3186	3174	3168	3156	3156	1468
35°	2831	2808	2774	2743	2735	1767
45°	2352	2312	2260	2235	2224	1806
55°	1773	1748	1697	1661	1636	1578
65°	1130	1087	1032	998	979	1116
75°	491	477	473	470	466	525
85°	81	100	114	118	121	104
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3538.1	3538.1	3538.1	3538.1	3538.1
2.5°	3552.4	3539.1	3535.0	3532.0	3541.2
5°	3544.3	3531.0	3526.9	3523.8	3534.0
7.5°	3526.9	3513.6	3509.5	3506.4	3514.6
10°	3501.3	3489.0	3484.9	3481.9	3491.1
12.5°	3468.6	3457.3	3452.2	3448.1	3458.3
15°	3427.6	3416.4	3409.2	3407.2	3413.3
17.5°	3378.5	3367.3	3362.2	3359.1	3366.3
20°	3321.3	3309.0	3301.8	3297.7	3303.9
22.5°	3257.8	3245.6	3236.4	3232.3	3234.3
25°	3186.2	3174.0	3167.8	3155.6	3155.6
27.5°	3109.5	3095.2	3079.9	3066.6	3067.6
30°	3020.5	3004.2	2985.8	2968.4	2967.4
32.5°	2930.5	2910.1	2887.6	2864.0	2856.9
35°	2831.3	2807.8	2774.0	2743.3	2735.2
37.5°	2714.7	2693.2	2648.2	2622.6	2609.3
40°	2599.1	2568.4	2522.4	2492.7	2480.5
42.5°	2472.3	2442.6	2393.5	2365.9	2355.7
45°	2351.6	2311.7	2260.5	2235.0	2223.7
47.5°	2201.2	2168.5	2132.7	2103.0	2088.7
50°	2062.1	2035.5	1992.6	1959.8	1950.6
52.5°	1916.9	1894.4	1853.4	1810.5	1800.3
55°	1772.6	1748.1	1696.9	1661.1	1635.6
57.5°	1610.0	1588.5	1540.4	1494.4	1471.9
60°	1460.7	1423.8	1370.6	1320.5	1300.1
62.5°	1298.0	1262.2	1200.9	1149.7	1138.5
65°	1130.3	1087.3	1032.1	998.3	978.9
67.5°	960.5	918.5	872.5	851.0	838.8
70°	792.7	759.0	724.2	708.9	697.6
72.5°	631.1	611.7	592.2	586.1	575.9
75°	491.0	476.7	472.6	469.5	466.4
77.5°	353.9	361.1	365.2	369.3	365.2
80°	240.4	255.7	271.1	279.2	279.2
82.5°	148.3	174.9	188.2	196.4	195.4
85°	80.8	100.2	113.5	117.6	120.7
87.5°	32.7	40.9	46.0	50.1	52.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)