

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: P738398

Luminaire Tested: **24PT-100-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738398
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-L950
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

Summary

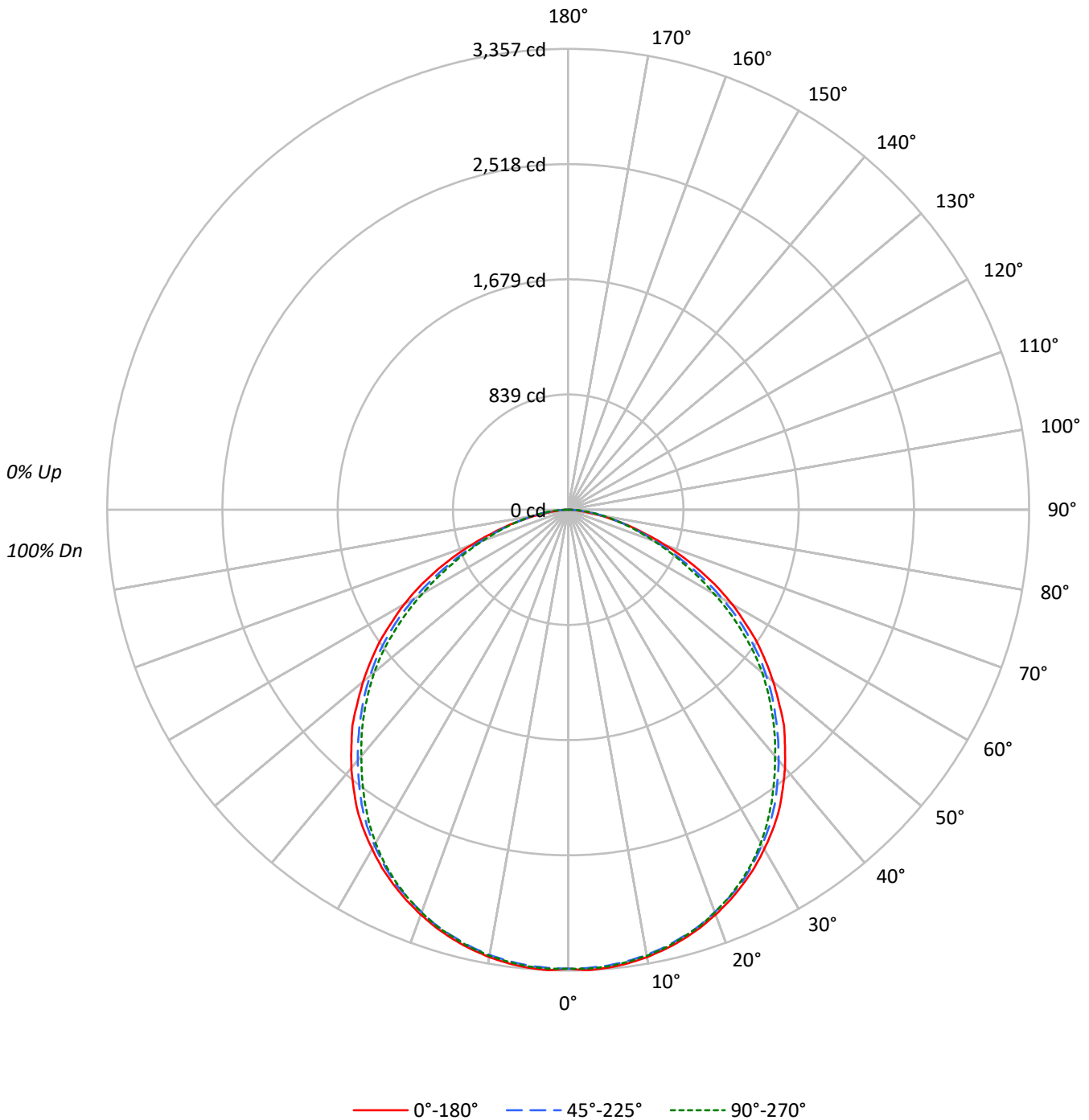
Lumens per Lamp: N/A
Luminaire Lumens: 8916.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 85.4
Input Voltage (V): NR
Input Current (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	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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4795	4795	4795
5°	4821	4798	4807
10°	4818	4795	4804
15°	4809	4783	4789
20°	4790	4762	4765
25°	4764	4737	4718
30°	4726	4672	4643
35°	4684	4589	4525
40°	4598	4462	4388
45°	4507	4332	4262
50°	4347	4201	4112
55°	4188	4009	3864
60°	3959	3715	3524
65°	3624	3309	3139
70°	3141	2869	2764
75°	2571	2474	2442
80°	1876	2116	2179
85°	1257	1765	1877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.2	3.6
10°-20°	910.4	10.2
20°-30°	1377.9	15.5
30°-40°	1639.5	18.4
40°-50°	1656.1	18.6
50°-60°	1433.0	16.1
60°-70°	978.9	11.0
70°-80°	482.4	5.4
80°-90°	120.6	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°	2605.5	29.2
0°-40°	4245.0	47.6
0°-60°	7334.1	82.3
0°-90°	8916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3344	3344	3344	3344	3344	
5°	3350	3337	3333	3330	3340	318
15°	3239	3229	3222	3220	3226	914
25°	3011	3000	2994	2982	2982	1388
35°	2676	2654	2622	2593	2585	1670
45°	2222	2185	2136	2112	2102	1707
55°	1675	1652	1604	1570	1546	1492
65°	1068	1028	975	944	925	1055
75°	464	450	447	444	441	496
85°	76	95	107	111	114	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3343.8	3343.8	3343.8	3343.8	3343.8
2.5°	3357.4	3344.8	3340.9	3338.0	3346.7
5°	3349.6	3337.1	3333.2	3330.3	3340.0
7.5°	3333.2	3320.6	3316.8	3313.9	3321.6
10°	3309.0	3297.4	3293.6	3290.7	3299.4
12.5°	3278.1	3267.5	3262.6	3258.8	3268.4
15°	3239.4	3228.8	3222.0	3220.1	3225.9
17.5°	3193.0	3182.4	3177.6	3174.7	3181.4
20°	3138.9	3127.3	3120.5	3116.7	3122.5
22.5°	3079.0	3067.4	3058.7	3054.8	3056.7
25°	3011.3	2999.7	2993.9	2982.3	2982.3
27.5°	2938.8	2925.3	2910.8	2898.2	2899.2
30°	2854.7	2839.2	2821.8	2805.4	2804.4
32.5°	2769.6	2750.3	2729.0	2706.8	2700.0
35°	2675.8	2653.6	2621.7	2592.7	2585.0
37.5°	2565.6	2545.3	2502.8	2478.6	2466.1
40°	2456.4	2427.4	2383.9	2355.9	2344.3
42.5°	2336.5	2308.5	2262.1	2236.0	2226.3
45°	2222.5	2184.8	2136.4	2112.3	2101.6
47.5°	2080.4	2049.4	2015.6	1987.6	1974.0
50°	1948.9	1923.7	1883.1	1852.2	1843.5
52.5°	1811.6	1790.3	1751.7	1711.1	1701.4
55°	1675.3	1652.1	1603.8	1569.9	1545.8
57.5°	1521.6	1501.3	1455.9	1412.4	1391.1
60°	1380.5	1345.7	1295.4	1248.0	1228.7
62.5°	1226.8	1192.9	1134.9	1086.6	1075.9
65°	1068.2	1027.6	975.4	943.5	925.1
67.5°	907.7	868.1	824.6	804.3	792.7
70°	749.2	717.3	684.4	669.9	659.3
72.5°	596.5	578.1	559.7	553.9	544.3
75°	464.0	450.5	446.6	443.7	440.8
77.5°	334.5	341.2	345.1	349.0	345.1
80°	227.2	241.7	256.2	263.9	263.9
82.5°	140.2	165.3	177.9	185.6	184.6
85°	76.4	94.7	107.3	111.2	114.1
87.5°	30.9	38.7	43.5	47.4	49.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)