

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: P738673

Luminaire Tested: **24PT-80-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PR1-L840
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

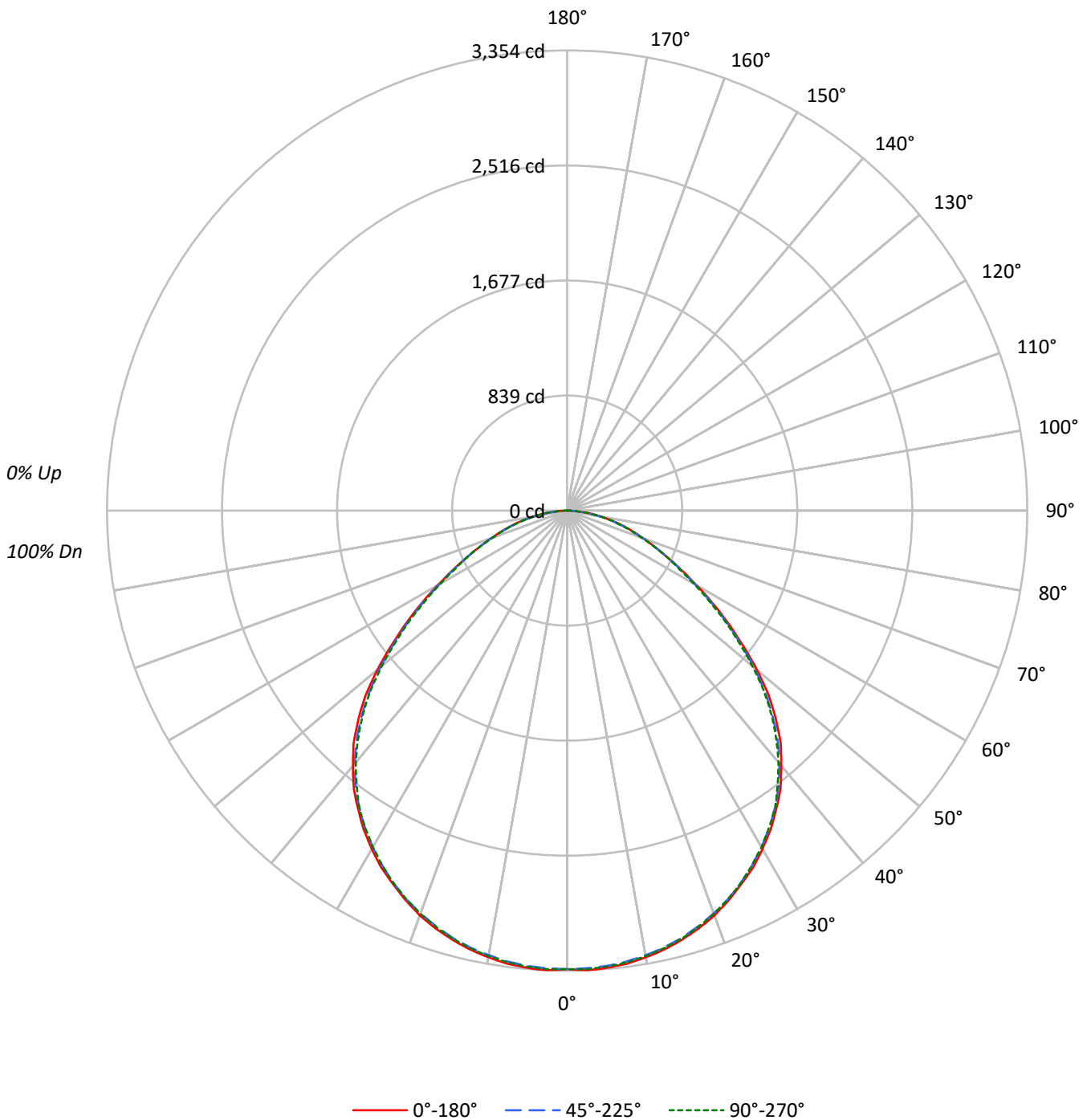
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8512.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4792	4792	4792
5°	4815	4795	4803
10°	4813	4790	4801
15°	4806	4786	4794
20°	4791	4767	4771
25°	4752	4737	4740
30°	4715	4689	4689
35°	4650	4622	4627
40°	4544	4506	4487
45°	4363	4293	4271
50°	4028	3969	3932
55°	3585	3534	3511
60°	3125	3091	3058
65°	2738	2742	2726
70°	2464	2457	2421
75°	2295	2228	2233
80°	2049	2011	2011
85°	1581	1627	1566



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.0	3.7
10°-20°	910.4	10.7
20°-30°	1380.3	16.2
30°-40°	1650.8	19.4
40°-50°	1630.0	19.1
50°-60°	1268.7	14.9
60°-70°	805.4	9.5
70°-80°	432.2	5.1
80°-90°	117.2	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°	2607.7	30.6
0°-40°	4258.5	50.0
0°-60°	7157.2	84.1
0°-90°	8512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3342	3342	3342	3342	3342	
5°	3345	3335	3331	3329	3337	318
15°	3238	3227	3224	3220	3229	914
25°	3004	2998	2994	2989	2996	1385
35°	2656	2651	2641	2632	2643	1661
45°	2152	2137	2117	2107	2106	1652
55°	1434	1427	1414	1404	1404	1284
65°	807	810	808	798	803	810
75°	414	408	402	401	403	438
85°	96	98	99	99	95	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3342.3	3342.3	3342.3	3342.3	3342.3
2.5°	3353.5	3342.3	3338.6	3336.7	3345.1
5°	3345.1	3334.8	3331.1	3329.2	3336.7
7.5°	3331.1	3319.0	3315.2	3313.4	3321.8
10°	3305.9	3294.7	3290.1	3290.1	3297.5
12.5°	3276.1	3266.7	3262.1	3258.3	3266.7
15°	3237.8	3226.6	3223.8	3220.1	3229.4
17.5°	3192.1	3180.9	3177.2	3175.3	3181.8
20°	3139.8	3125.8	3124.0	3123.0	3126.8
22.5°	3075.4	3068.0	3064.2	3062.4	3065.2
25°	3003.6	2998.0	2994.3	2988.7	2996.1
27.5°	2933.6	2926.2	2916.8	2912.2	2916.8
30°	2847.8	2838.4	2831.9	2830.0	2831.9
32.5°	2759.1	2749.8	2741.4	2740.5	2739.5
35°	2656.5	2650.9	2640.6	2632.2	2643.4
37.5°	2554.8	2541.7	2532.4	2522.1	2519.3
40°	2427.9	2423.2	2407.4	2398.0	2397.1
42.5°	2304.7	2283.3	2272.1	2265.5	2255.3
45°	2151.7	2136.8	2117.2	2106.9	2106.0
47.5°	1992.1	1973.5	1954.8	1940.8	1944.5
50°	1805.5	1797.1	1779.4	1767.3	1762.6
52.5°	1613.3	1611.4	1592.8	1585.3	1576.9
55°	1434.2	1426.7	1413.6	1404.3	1404.3
57.5°	1257.8	1251.3	1244.7	1227.0	1227.0
60°	1089.8	1088.9	1077.7	1067.4	1066.5
62.5°	939.6	945.2	935.0	924.7	919.1
65°	807.1	809.9	808.1	797.8	803.4
67.5°	690.5	691.4	687.7	682.1	685.8
70°	587.8	592.5	586.0	582.2	577.6
72.5°	498.3	496.4	490.8	493.6	487.1
75°	414.3	407.8	402.2	401.2	403.1
77.5°	330.3	328.4	323.8	323.8	321.0
80°	248.2	246.3	243.5	244.5	243.5
82.5°	176.4	171.7	168.0	169.8	170.8
85°	96.1	98.0	98.9	98.9	95.2
87.5°	39.2	38.3	39.2	41.1	42.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)