

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: P738680

Luminaire Tested: **24PT-80-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738680
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-80-PW1-L835
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

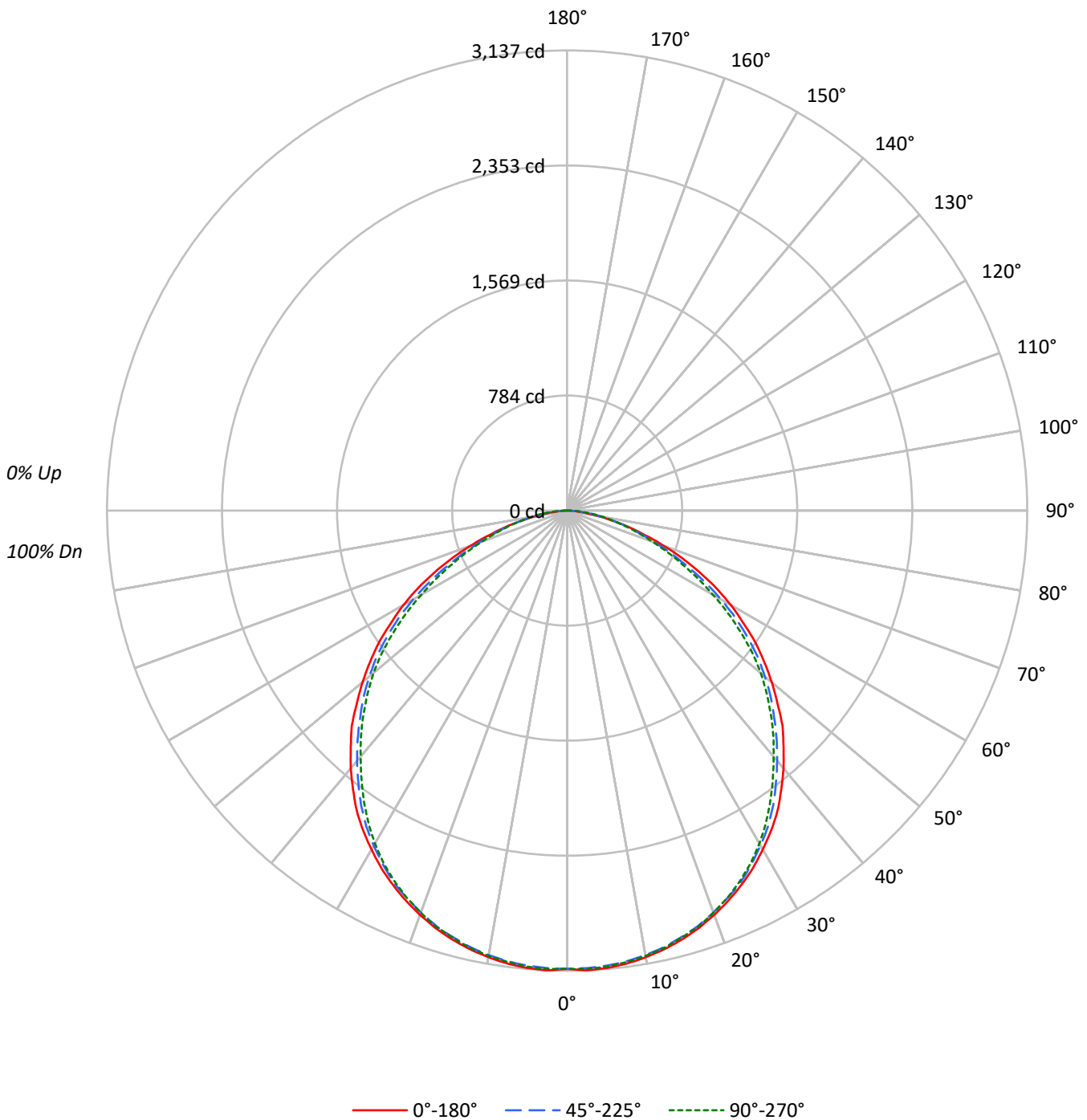
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8331.0 lumens
Efficiency: N/A
Efficacy: 122.0 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): 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	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°	4480	4480	4480
5°	4505	4483	4492
10°	4502	4481	4489
15°	4493	4469	4474
20°	4475	4449	4452
25°	4452	4426	4409
30°	4416	4366	4339
35°	4377	4288	4228
40°	4296	4169	4100
45°	4211	4048	3982
50°	4062	3925	3843
55°	3913	3746	3611
60°	3699	3471	3292
65°	3386	3092	2933
70°	2935	2681	2582
75°	2402	2312	2282
80°	1753	1977	2036
85°	1175	1650	1754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.4	3.6
10°-20°	850.7	10.2
20°-30°	1287.5	15.5
30°-40°	1532.0	18.4
40°-50°	1547.4	18.6
50°-60°	1339.0	16.1
60°-70°	914.7	11.0
70°-80°	450.8	5.4
80°-90°	112.7	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°	2434.5	29.2
0°-40°	3966.5	47.6
0°-60°	6852.9	82.3
0°-90°	8331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8331.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3124	3124	3124	3124	3124	
5°	3130	3118	3114	3112	3121	297
15°	3027	3017	3011	3009	3014	854
25°	2814	2803	2798	2787	2787	1297
35°	2500	2480	2450	2423	2415	1561
45°	2077	2041	1996	1974	1964	1595
55°	1565	1544	1498	1467	1444	1394
65°	998	960	911	882	864	986
75°	434	421	417	415	412	463
85°	71	88	100	104	107	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3124.4	3124.4	3124.4	3124.4	3124.4
2.5°	3137.1	3125.4	3121.7	3119.0	3127.2
5°	3129.9	3118.1	3114.5	3111.8	3120.8
7.5°	3114.5	3102.8	3099.2	3096.4	3103.7
10°	3091.9	3081.1	3077.5	3074.8	3082.9
12.5°	3063.0	3053.1	3048.6	3045.0	3054.0
15°	3026.9	3017.0	3010.6	3008.8	3014.2
17.5°	2983.5	2973.6	2969.1	2966.4	2972.7
20°	2933.0	2922.1	2915.8	2912.2	2917.6
22.5°	2876.9	2866.1	2858.0	2854.4	2856.2
25°	2813.7	2802.9	2797.5	2786.6	2786.6
27.5°	2746.0	2733.3	2719.8	2708.0	2708.9
30°	2667.4	2652.9	2636.7	2621.3	2620.4
32.5°	2587.9	2569.8	2550.0	2529.2	2522.9
35°	2500.3	2479.5	2449.7	2422.6	2415.4
37.5°	2397.3	2378.3	2338.6	2316.0	2304.3
40°	2295.2	2268.1	2227.5	2201.3	2190.5
42.5°	2183.2	2157.0	2113.7	2089.3	2080.3
45°	2076.6	2041.4	1996.2	1973.7	1963.7
47.5°	1943.9	1915.0	1883.3	1857.1	1844.5
50°	1821.0	1797.5	1759.6	1730.7	1722.6
52.5°	1692.7	1672.9	1636.7	1598.8	1589.8
55°	1565.4	1543.7	1498.5	1466.9	1444.3
57.5°	1421.8	1402.8	1360.3	1319.7	1299.8
60°	1289.9	1257.4	1210.4	1166.1	1148.1
62.5°	1146.3	1114.6	1060.5	1015.3	1005.4
65°	998.1	960.2	911.4	881.6	864.4
67.5°	848.2	811.1	770.5	751.5	740.7
70°	700.0	670.2	639.5	626.0	616.0
72.5°	557.3	540.2	523.0	517.6	508.5
75°	433.6	420.9	417.3	414.6	411.9
77.5°	312.5	318.9	322.5	326.1	322.5
80°	212.3	225.8	239.4	246.6	246.6
82.5°	131.0	154.5	166.2	173.4	172.5
85°	71.4	88.5	100.3	103.9	106.6
87.5°	28.9	36.1	40.6	44.3	46.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)