

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: P738674

Luminaire Tested: **24PT-80-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738674
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-L850
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

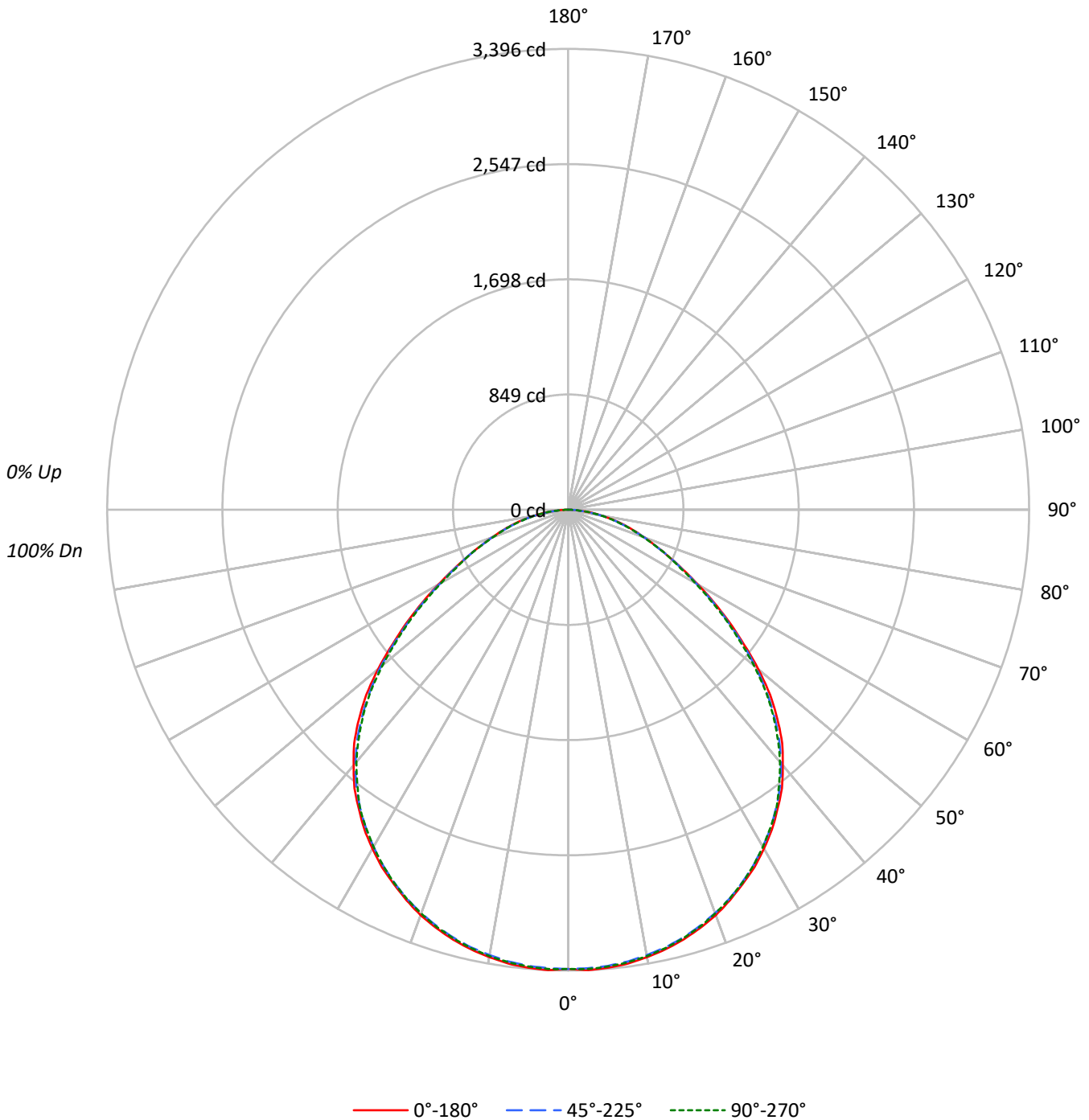
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8621.0 lumens
Efficiency: N/A
Efficacy: 126.2 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	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	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°	4854	4854	4854
5°	4876	4856	4864
10°	4875	4852	4863
15°	4868	4847	4855
20°	4852	4828	4832
25°	4813	4798	4801
30°	4775	4749	4749
35°	4710	4681	4686
40°	4603	4564	4544
45°	4419	4348	4325
50°	4079	4020	3982
55°	3631	3579	3556
60°	3165	3130	3098
65°	2774	2777	2761
70°	2496	2488	2453
75°	2325	2256	2262
80°	2076	2037	2037
85°	1601	1648	1586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.0	3.7
10°-20°	922.1	10.7
20°-30°	1398.0	16.2
30°-40°	1672.0	19.4
40°-50°	1650.8	19.1
50°-60°	1284.9	14.9
60°-70°	815.7	9.5
70°-80°	437.8	5.1
80°-90°	118.7	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°	2641.1	30.6
0°-40°	4313.1	50.0
0°-60°	7248.8	84.1
0°-90°	8621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3385	3385	3385	3385	3385	
5°	3388	3378	3374	3372	3379	322
15°	3279	3268	3265	3261	3271	926
25°	3042	3036	3033	3027	3034	1403
35°	2690	2685	2674	2666	2677	1682
45°	2179	2164	2144	2134	2133	1673
55°	1452	1445	1432	1422	1422	1301
65°	818	820	818	808	814	820
75°	420	413	407	406	408	444
85°	97	99	100	100	96	120
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3385.1	3385.1	3385.1	3385.1	3385.1
2.5°	3396.4	3385.1	3381.3	3379.4	3387.9
5°	3387.9	3377.5	3373.8	3371.9	3379.4
7.5°	3373.8	3361.5	3357.7	3355.8	3364.3
10°	3348.3	3336.9	3332.2	3332.2	3339.7
12.5°	3318.0	3308.6	3303.8	3300.1	3308.6
15°	3279.3	3267.9	3265.1	3261.3	3270.8
17.5°	3233.0	3221.6	3217.8	3215.9	3222.6
20°	3180.0	3165.9	3164.0	3163.0	3166.8
22.5°	3114.8	3107.3	3103.5	3101.6	3104.4
25°	3042.1	3036.4	3032.6	3026.9	3034.5
27.5°	2971.2	2963.6	2954.2	2949.4	2954.2
30°	2884.2	2874.8	2868.2	2866.3	2868.2
32.5°	2794.5	2785.0	2776.5	2775.6	2774.6
35°	2690.5	2684.8	2674.4	2665.9	2677.3
37.5°	2587.5	2574.3	2564.8	2554.4	2551.6
40°	2459.0	2454.3	2438.2	2428.7	2427.8
42.5°	2334.2	2312.5	2301.2	2294.5	2284.1
45°	2179.2	2164.1	2144.3	2133.9	2132.9
47.5°	2017.6	1998.7	1979.8	1965.7	1969.4
50°	1828.6	1820.1	1802.2	1789.9	1785.2
52.5°	1634.0	1632.1	1613.2	1605.6	1597.1
55°	1452.5	1445.0	1431.7	1422.3	1422.3
57.5°	1273.9	1267.3	1260.7	1242.7	1242.7
60°	1103.8	1102.9	1091.5	1081.1	1080.2
62.5°	951.6	957.3	946.9	936.5	930.9
65°	817.5	820.3	818.4	808.0	813.7
67.5°	699.3	700.3	696.5	690.8	694.6
70°	595.4	600.1	593.5	589.7	585.0
72.5°	504.6	502.8	497.1	499.9	493.3
75°	419.6	413.0	407.3	406.4	408.3
77.5°	334.5	332.7	327.9	327.9	325.1
80°	251.4	249.5	246.7	247.6	246.7
82.5°	178.6	173.9	170.1	172.0	172.9
85°	97.3	99.2	100.2	100.2	96.4
87.5°	39.7	38.7	39.7	41.6	42.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)