

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: P738000

Luminaire Tested: **14PT-80-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PL1-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

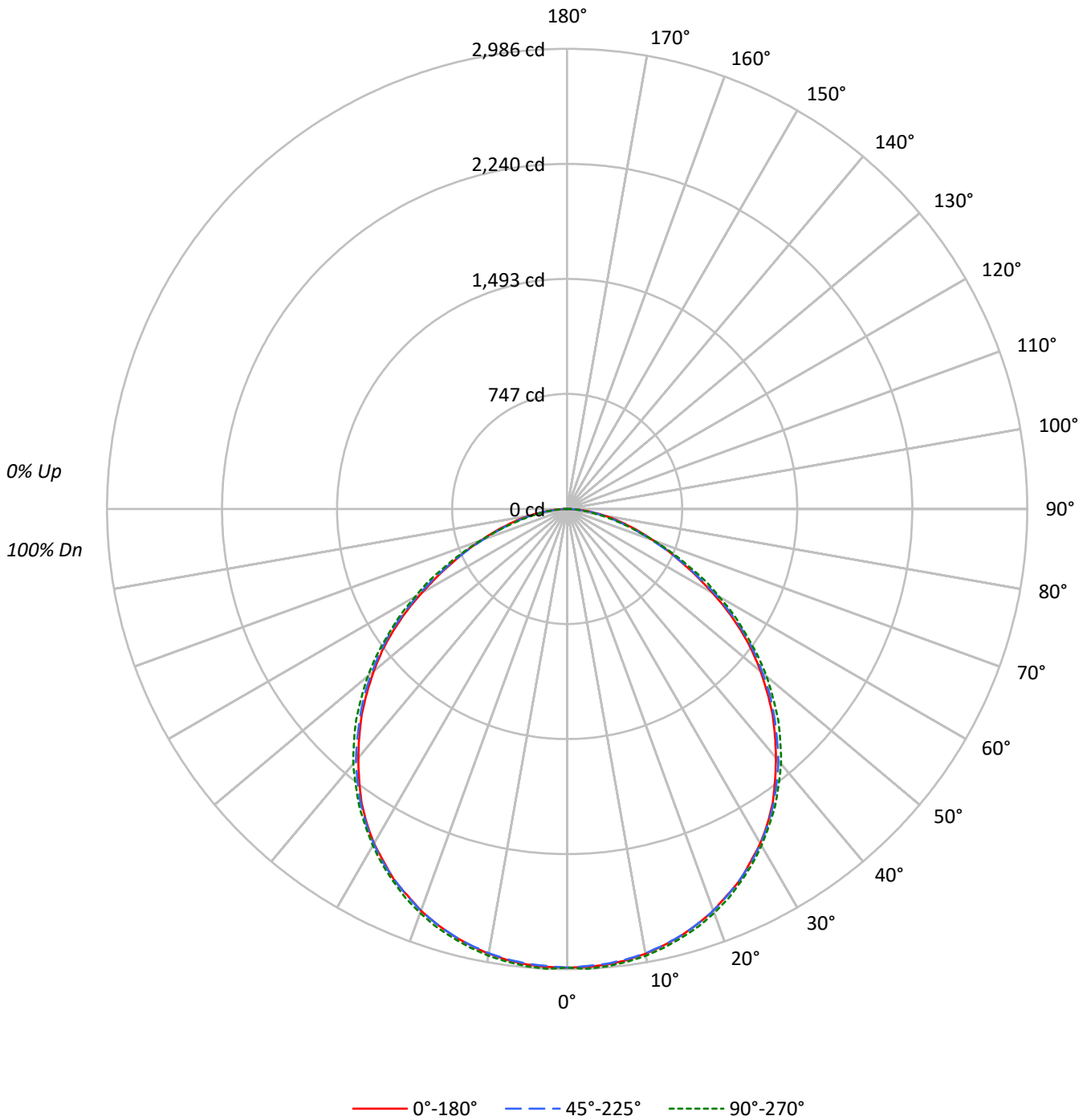
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7846.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	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	96	98	95	93	94	92	90	91	89	87	85																												
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																												
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																												
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																												
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																												
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																												
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35																												
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																												
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29																												
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8923	8923	8923
5°	8931	8915	8964
10°	8920	8910	8960
15°	8892	8889	8934
20°	8849	8849	8898
25°	8788	8777	8824
30°	8678	8689	8731
35°	8512	8545	8613
40°	8248	8343	8450
45°	7991	8056	8211
50°	7638	7721	7875
55°	7194	7309	7396
60°	6526	6665	6831
65°	5797	5860	6094
70°	5181	5075	5201
75°	4675	4408	4317
80°	4246	3942	3503
85°	3605	3261	2807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	3.6
10°-20°	809.8	10.3
20°-30°	1224.9	15.6
30°-40°	1460.0	18.6
40°-50°	1468.2	18.7
50°-60°	1246.0	15.9
60°-70°	829.6	10.6
70°-80°	414.3	5.3
80°-90°	110.8	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°	2317.0	29.5
0°-40°	3777.1	48.1
0°-60°	6491.3	82.7
0°-90°	7846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2976	2976	2976	2976	2976	
5°	2968	2969	2962	2975	2979	282
15°	2865	2868	2864	2876	2878	808
25°	2657	2657	2653	2665	2668	1222
35°	2326	2328	2335	2351	2353	1451
45°	1885	1888	1900	1926	1936	1450
55°	1376	1386	1398	1412	1415	1227
65°	817	824	826	838	859	819
75°	404	398	380	372	373	433
85°	105	103	95	89	82	121
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2976.4	2976.4	2976.4	2976.4	2976.4
2.5°	2974.2	2976.4	2968.7	2983.0	2986.3
5°	2967.6	2968.7	2962.1	2975.3	2978.6
7.5°	2953.2	2954.4	2947.7	2962.1	2964.3
10°	2930.1	2932.3	2926.8	2940.0	2943.3
12.5°	2900.3	2903.6	2898.1	2912.4	2914.7
15°	2865.0	2868.3	2863.9	2876.1	2878.3
17.5°	2822.0	2824.2	2822.0	2833.0	2839.7
20°	2773.5	2773.5	2773.5	2783.4	2788.9
22.5°	2712.8	2718.4	2716.2	2729.4	2734.9
25°	2656.6	2656.6	2653.3	2665.4	2667.6
27.5°	2578.3	2587.1	2586.0	2597.1	2599.3
30°	2506.6	2508.8	2509.9	2517.6	2522.1
32.5°	2419.5	2421.7	2425.0	2436.0	2437.1
35°	2325.8	2328.0	2334.6	2351.1	2353.3
37.5°	2216.6	2228.7	2234.2	2251.9	2254.1
40°	2107.4	2115.1	2131.7	2150.4	2159.2
42.5°	1996.0	2004.9	2014.8	2040.1	2047.9
45°	1884.7	1888.0	1900.1	1925.5	1936.5
47.5°	1761.1	1771.1	1782.1	1804.2	1810.8
50°	1637.6	1648.7	1655.3	1675.1	1688.4
52.5°	1513.0	1522.9	1530.7	1542.8	1556.0
55°	1376.3	1386.2	1398.3	1411.6	1414.9
57.5°	1237.3	1248.3	1256.1	1270.4	1284.7
60°	1088.4	1100.6	1111.6	1124.8	1139.2
62.5°	949.5	955.0	966.0	988.1	1009.0
65°	817.2	823.8	826.0	838.1	859.1
67.5°	706.9	706.9	697.0	701.4	724.5
70°	591.1	586.7	579.0	574.5	593.3
72.5°	497.4	491.8	475.3	467.6	477.5
75°	403.6	398.1	380.5	371.6	372.7
77.5°	324.2	315.4	301.1	285.6	282.3
80°	245.9	242.6	228.3	213.9	202.9
82.5°	174.2	166.5	158.8	150.0	141.2
85°	104.8	102.6	94.8	89.3	81.6
87.5°	43.0	43.0	40.8	38.6	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)