

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: P738018

Luminaire Tested: **14PT-80-PR1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PR1-L850
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

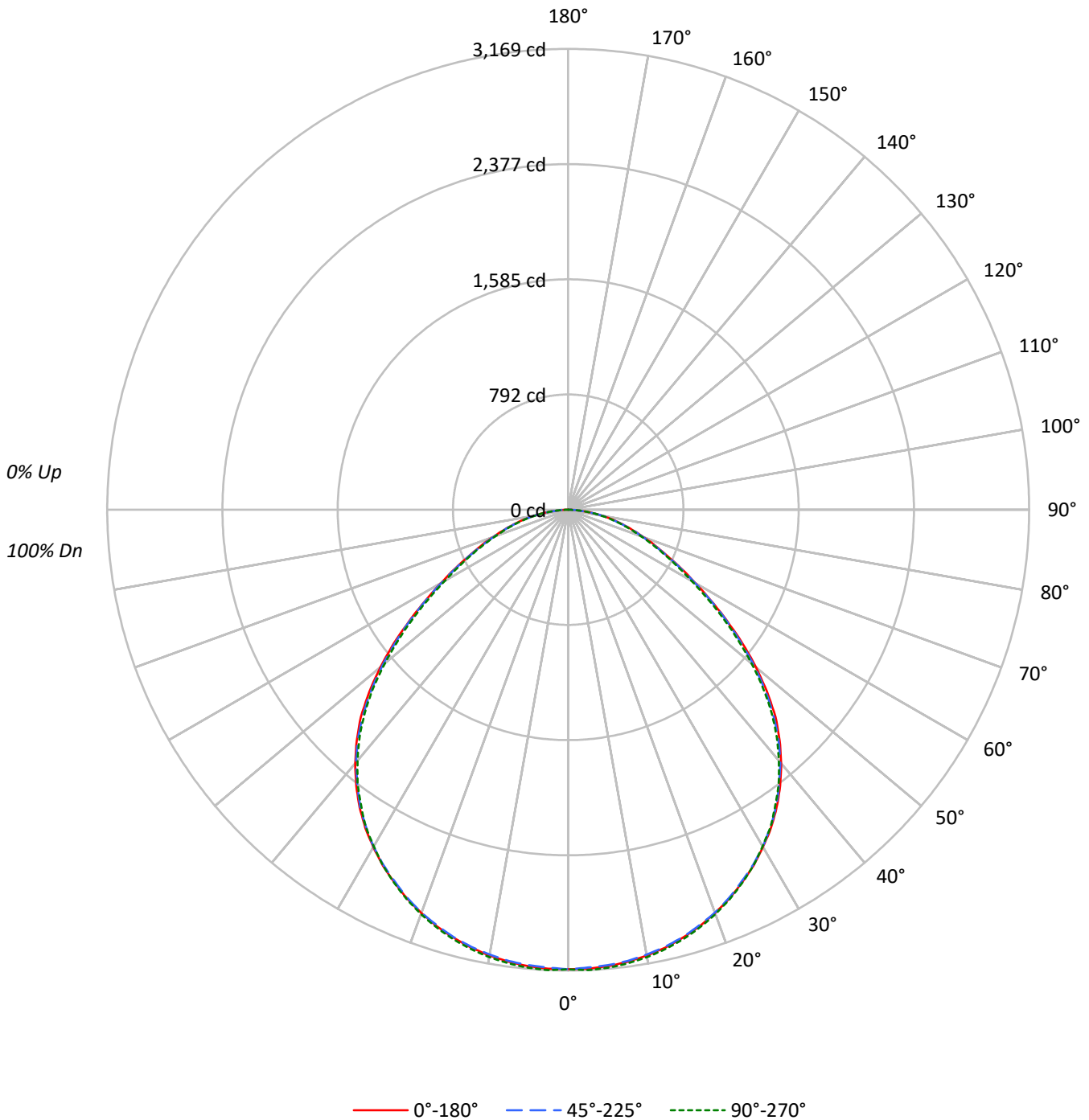
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7992.0 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
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 (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

TEST NUMBER: P738018
CATALOG NUMBER: 14PT-80-PR1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738018

CATALOG NUMBER: 14PT-80-PR1-L850

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	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9474	9474	9474
5°	9483	9463	9514
10°	9476	9458	9510
15°	9457	9443	9489
20°	9417	9407	9443
25°	9356	9334	9367
30°	9274	9262	9250
35°	9145	9124	9087
40°	8915	8879	8817
45°	8543	8448	8385
50°	7861	7771	7676
55°	6957	6927	6791
60°	6045	6024	5861
65°	5328	5295	5191
70°	4835	4766	4667
75°	4474	4369	4291
80°	4087	4028	3892
85°	3234	3196	3079



TEST NUMBER: P738018

CATALOG NUMBER: 14PT-80-PR1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	3.8
10°-20°	860.4	10.8
20°-30°	1303.5	16.3
30°-40°	1556.0	19.5
40°-50°	1530.3	19.1
50°-60°	1182.7	14.8
60°-70°	745.8	9.3
70°-80°	403.4	5.0
80°-90°	110.2	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°	2463.6	30.8
0°-40°	4019.6	50.3
0°-60°	6732.6	84.2
0°-90°	7992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7992.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3160	3160	3160	3160	3160	
5°	3151	3152	3144	3158	3161	300
15°	3047	3048	3042	3052	3057	860
25°	2828	2830	2822	2830	2832	1304
35°	2499	2500	2493	2490	2483	1560
45°	2015	2007	1992	1976	1978	1543
55°	1331	1342	1325	1304	1299	1194
65°	751	752	746	734	732	756
75°	386	382	377	379	370	410
85°	94	95	93	94	90	112
90°	0	0	0	0	0	



TEST NUMBER: P738018

CATALOG NUMBER: 14PT-80-PR1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3160.1	3160.1	3160.1	3160.1	3160.1
2.5°	3159.0	3160.1	3151.1	3165.8	3169.2
5°	3151.1	3152.2	3144.3	3157.9	3161.3
7.5°	3135.2	3137.5	3129.6	3143.2	3146.6
10°	3112.6	3114.8	3106.9	3120.5	3123.9
12.5°	3084.3	3085.4	3078.6	3091.1	3094.5
15°	3046.9	3048.0	3042.3	3052.5	3057.1
17.5°	3003.8	3005.0	2997.0	3009.5	3011.8
20°	2951.7	2952.9	2948.3	2958.5	2959.7
22.5°	2894.0	2896.2	2889.4	2898.5	2899.6
25°	2828.3	2830.5	2821.5	2830.5	2831.7
27.5°	2759.2	2760.3	2752.4	2759.2	2758.0
30°	2678.8	2685.6	2675.4	2673.1	2672.0
32.5°	2594.9	2596.1	2585.9	2583.6	2588.1
35°	2498.7	2499.8	2493.0	2489.6	2482.8
37.5°	2393.3	2393.3	2380.9	2378.6	2377.5
40°	2277.8	2276.7	2268.7	2260.8	2252.9
42.5°	2152.1	2154.3	2138.5	2124.9	2122.6
45°	2015.0	2007.1	1992.4	1976.5	1977.6
47.5°	1853.0	1855.3	1834.9	1822.5	1819.1
50°	1685.4	1685.4	1666.2	1652.6	1645.8
52.5°	1509.8	1511.0	1492.9	1474.7	1471.3
55°	1330.9	1342.2	1325.2	1303.7	1299.2
57.5°	1163.3	1172.3	1156.5	1133.8	1132.7
60°	1008.1	1009.2	1004.7	983.2	977.5
62.5°	875.6	869.9	867.6	856.3	849.5
65°	751.0	752.1	746.4	734.0	731.7
67.5°	650.2	649.0	638.8	630.9	626.4
70°	551.6	548.2	543.7	536.9	532.4
72.5°	463.3	463.3	459.9	457.6	449.7
75°	386.2	381.7	377.2	379.4	370.4
77.5°	312.6	308.1	304.7	300.2	297.9
80°	236.7	232.2	233.3	226.5	225.4
82.5°	164.2	164.2	162.0	156.3	157.4
85°	94.0	95.1	92.9	94.0	89.5
87.5°	34.0	35.1	37.4	35.1	35.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)