

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: P738022

Luminaire Tested: **14PT-80-PR1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738022
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-L950
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

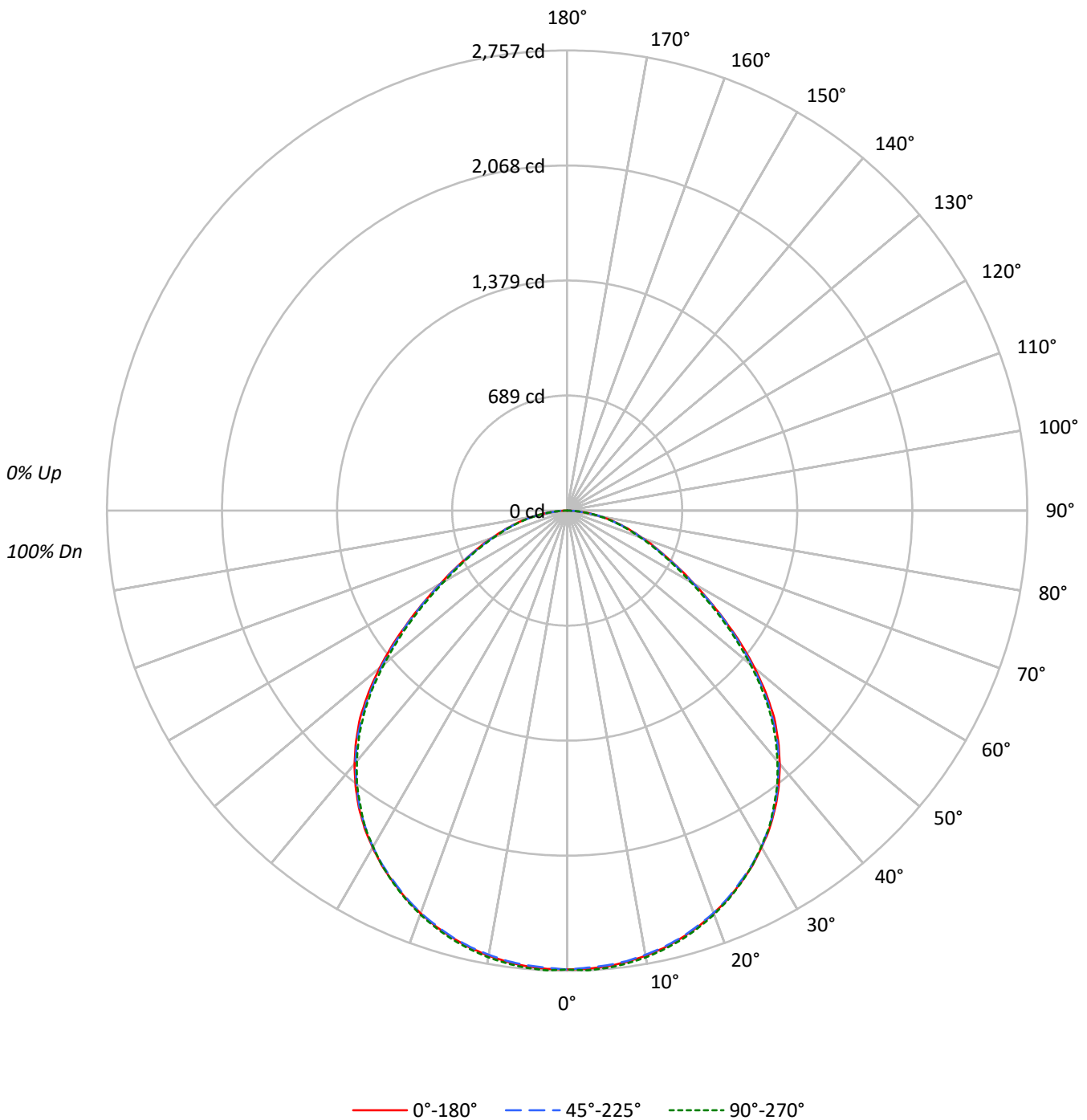
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6953.0 lumens
Efficiency: N/A
Efficacy: 97.9 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

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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	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°	8243	8243	8243
5°	8250	8233	8277
10°	8244	8229	8274
15°	8228	8215	8255
20°	8193	8184	8215
25°	8140	8120	8149
30°	8068	8058	8047
35°	7956	7938	7906
40°	7756	7725	7671
45°	7433	7349	7295
50°	6839	6761	6678
55°	6052	6026	5908
60°	5259	5241	5099
65°	4635	4607	4516
70°	4207	4146	4059
75°	3892	3801	3732
80°	3557	3505	3386
85°	2814	2779	2676



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	3.8
10°-20°	748.6	10.8
20°-30°	1134.0	16.3
30°-40°	1353.7	19.5
40°-50°	1331.3	19.1
50°-60°	1029.0	14.8
60°-70°	648.8	9.3
70°-80°	350.9	5.0
80°-90°	95.9	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°	2143.3	30.8
0°-40°	3497.1	50.3
0°-60°	5857.4	84.2
0°-90°	6953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2749	2749	2749	2749	2749	
5°	2741	2742	2736	2747	2750	261
15°	2651	2652	2647	2656	2660	748
25°	2461	2463	2455	2463	2464	1134
35°	2174	2175	2169	2166	2160	1357
45°	1753	1746	1733	1720	1720	1342
55°	1158	1168	1153	1134	1130	1039
65°	653	654	649	638	637	657
75°	336	332	328	330	322	357
85°	82	83	81	82	78	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2749.3	2749.3	2749.3	2749.3	2749.3
2.5°	2748.3	2749.3	2741.4	2754.2	2757.2
5°	2741.4	2742.4	2735.5	2747.3	2750.3
7.5°	2727.6	2729.6	2722.7	2734.5	2737.5
10°	2707.9	2709.9	2703.0	2714.8	2717.8
12.5°	2683.3	2684.3	2678.4	2689.2	2692.2
15°	2650.8	2651.8	2646.8	2655.7	2659.6
17.5°	2613.3	2614.3	2607.4	2618.3	2620.2
20°	2568.0	2569.0	2565.0	2573.9	2574.9
22.5°	2517.7	2519.7	2513.8	2521.7	2522.7
25°	2460.6	2462.6	2454.7	2462.6	2463.5
27.5°	2400.5	2401.5	2394.6	2400.5	2399.5
30°	2330.5	2336.4	2327.6	2325.6	2324.6
32.5°	2257.6	2258.6	2249.7	2247.7	2251.7
35°	2173.8	2174.8	2168.9	2165.9	2160.0
37.5°	2082.2	2082.2	2071.3	2069.4	2068.4
40°	1981.7	1980.7	1973.8	1966.9	1960.0
42.5°	1872.3	1874.3	1860.5	1848.6	1846.7
45°	1753.1	1746.2	1733.3	1719.6	1720.5
47.5°	1612.1	1614.1	1596.4	1585.5	1582.6
50°	1466.3	1466.3	1449.5	1437.7	1431.8
52.5°	1313.6	1314.5	1298.8	1283.0	1280.1
55°	1157.9	1167.7	1152.9	1134.2	1130.3
57.5°	1012.0	1019.9	1006.1	986.4	985.4
60°	877.0	878.0	874.1	855.3	850.4
62.5°	761.7	756.8	754.8	745.0	739.1
65°	653.3	654.3	649.4	638.5	636.6
67.5°	565.6	564.6	555.8	548.9	544.9
70°	479.9	476.9	473.0	467.1	463.1
72.5°	403.0	403.0	400.1	398.1	391.2
75°	336.0	332.1	328.1	330.1	322.2
77.5°	272.0	268.0	265.1	261.1	259.2
80°	206.0	202.0	203.0	197.1	196.1
82.5°	142.9	142.9	140.9	136.0	137.0
85°	81.8	82.8	80.8	81.8	77.8
87.5°	29.6	30.5	32.5	30.5	30.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)