

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: P737770

Luminaire Tested: **14PT-30-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737770
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-30-PL1-L850
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

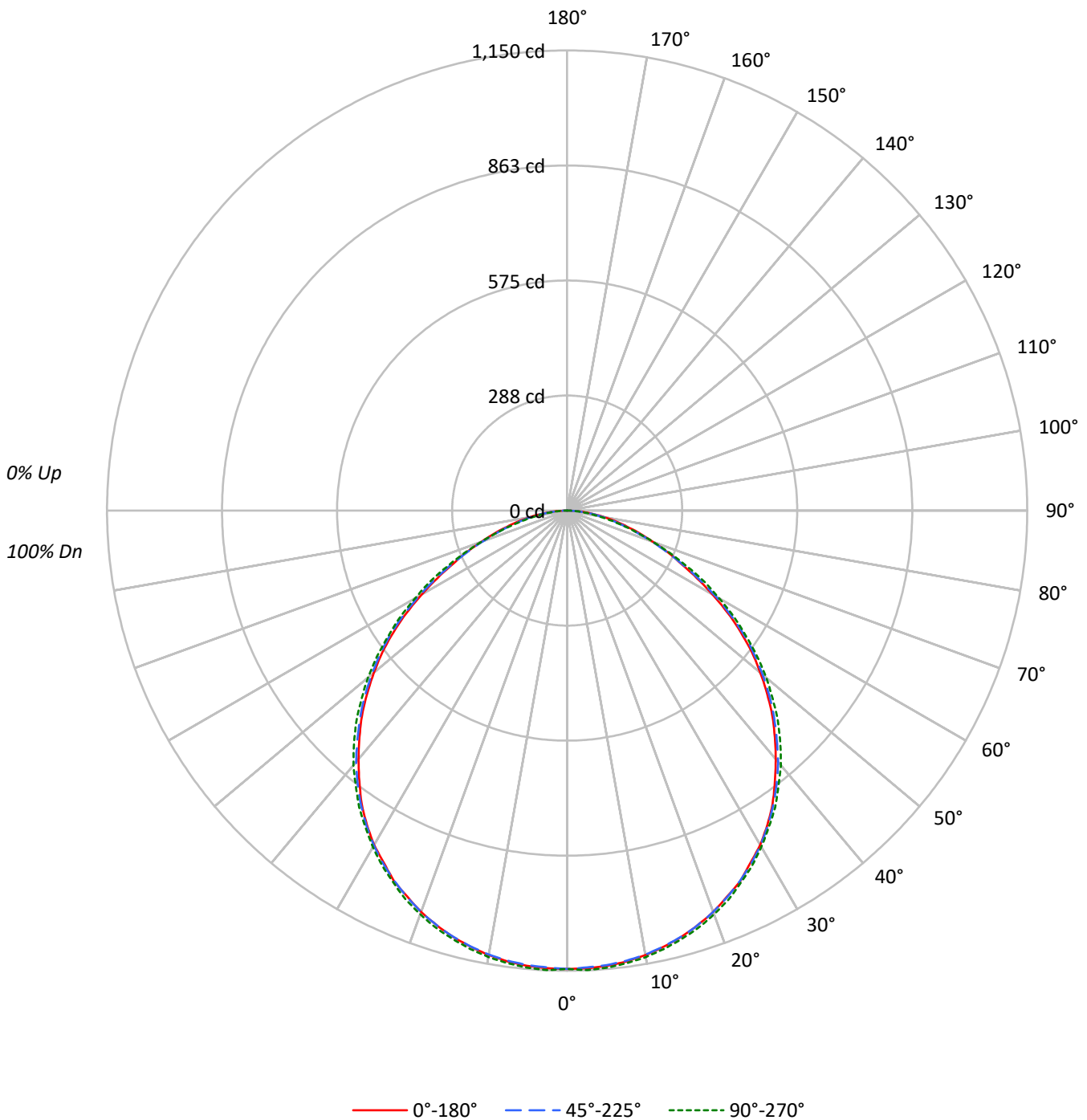
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3020.0 lumens
Efficiency: N/A
Efficacy: 129.1 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): 23.4
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: P737770
CATALOG NUMBER: 14PT-30-PL1-L850

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	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°	3435	3435	3435
5°	3438	3431	3450
10°	3433	3429	3449
15°	3423	3422	3439
20°	3406	3406	3425
25°	3383	3378	3397
30°	3340	3345	3361
35°	3276	3289	3315
40°	3175	3211	3253
45°	3076	3101	3160
50°	2940	2972	3031
55°	2769	2813	2847
60°	2512	2566	2629
65°	2231	2255	2346
70°	1994	1953	2002
75°	1800	1696	1662
80°	1635	1518	1348
85°	1386	1256	1080



TEST NUMBER: P737770

CATALOG NUMBER: 14PT-30-PL1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.6
10°-20°	311.7	10.3
20°-30°	471.5	15.6
30°-40°	562.0	18.6
40°-50°	565.1	18.7
50°-60°	479.6	15.9
60°-70°	319.3	10.6
70°-80°	159.5	5.3
80°-90°	42.7	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°	891.9	29.5
0°-40°	1453.8	48.1
0°-60°	2498.6	82.7
0°-90°	3020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1142	1143	1140	1145	1146	109
15°	1103	1104	1102	1107	1108	311
25°	1023	1023	1021	1026	1027	470
35°	895	896	899	905	906	558
45°	725	727	731	741	745	558
55°	530	534	538	543	545	472
65°	314	317	318	323	331	315
75°	155	153	146	143	144	167
85°	40	40	36	34	31	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1144.8	1145.6	1142.7	1148.2	1149.5
5°	1142.3	1142.7	1140.1	1145.2	1146.5
7.5°	1136.7	1137.2	1134.6	1140.1	1141.0
10°	1127.8	1128.7	1126.5	1131.6	1132.9
12.5°	1116.4	1117.6	1115.5	1121.0	1121.9
15°	1102.8	1104.0	1102.4	1107.0	1107.9
17.5°	1086.2	1087.1	1086.2	1090.5	1093.0
20°	1067.5	1067.5	1067.5	1071.4	1073.5
22.5°	1044.2	1046.3	1045.5	1050.6	1052.7
25°	1022.6	1022.6	1021.3	1025.9	1026.8
27.5°	992.4	995.8	995.4	999.6	1000.5
30°	964.8	965.7	966.1	969.1	970.8
32.5°	931.3	932.1	933.4	937.7	938.1
35°	895.2	896.1	898.6	905.0	905.8
37.5°	853.2	857.9	860.0	866.8	867.6
40°	811.2	814.1	820.5	827.7	831.1
42.5°	768.3	771.7	775.5	785.3	788.2
45°	725.4	726.7	731.4	741.1	745.4
47.5°	677.9	681.7	685.9	694.4	697.0
50°	630.3	634.6	637.1	644.8	649.9
52.5°	582.4	586.2	589.2	593.8	598.9
55°	529.7	533.6	538.2	543.3	544.6
57.5°	476.3	480.5	483.5	489.0	494.5
60°	419.0	423.6	427.9	433.0	438.5
62.5°	365.5	367.6	371.8	380.3	388.4
65°	314.5	317.1	317.9	322.6	330.7
67.5°	272.1	272.1	268.3	270.0	278.9
70°	227.5	225.8	222.8	221.1	228.4
72.5°	191.4	189.3	182.9	180.0	183.8
75°	155.4	153.2	146.4	143.0	143.5
77.5°	124.8	121.4	115.9	109.9	108.7
80°	94.7	93.4	87.9	82.3	78.1
82.5°	67.1	64.1	61.1	57.7	54.3
85°	40.3	39.5	36.5	34.4	31.4
87.5°	16.6	16.6	15.7	14.9	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)