

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: P737774

Luminaire Tested: **14PT-30-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737774
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-L950
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

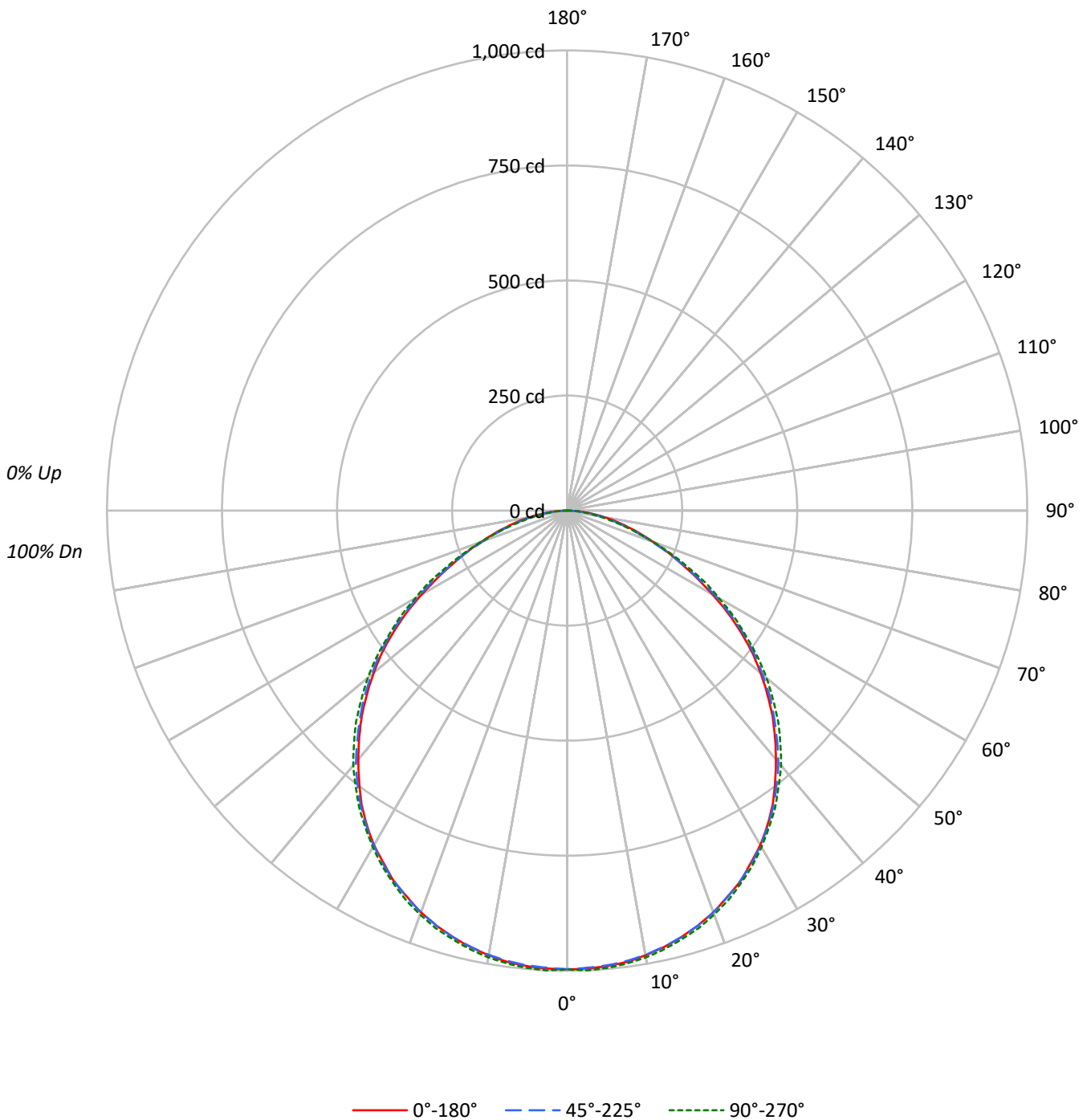
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2628.0 lumens
Efficiency: N/A
Efficacy: 112.3 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 (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

TEST NUMBER: P737774
CATALOG NUMBER: 14PT-30-PL1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P737774

CATALOG NUMBER: 14PT-30-PL1-L950

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°	2989	2989	2989
5°	2991	2986	3003
10°	2988	2984	3001
15°	2978	2978	2992
20°	2964	2964	2980
25°	2943	2940	2956
30°	2907	2910	2925
35°	2851	2862	2885
40°	2763	2794	2830
45°	2677	2698	2750
50°	2558	2586	2638
55°	2410	2448	2477
60°	2186	2232	2288
65°	1942	1963	2041
70°	1736	1700	1742
75°	1566	1476	1446
80°	1423	1321	1174
85°	1207	1094	939



TEST NUMBER: P737774

CATALOG NUMBER: 14PT-30-PL1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.6
10°-20°	271.2	10.3
20°-30°	410.3	15.6
30°-40°	489.0	18.6
40°-50°	491.8	18.7
50°-60°	417.3	15.9
60°-70°	277.9	10.6
70°-80°	138.8	5.3
80°-90°	37.1	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°	776.1	29.5
0°-40°	1265.1	48.1
0°-60°	2174.2	82.7
0°-90°	2628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	994	994	992	997	998	94
15°	960	961	959	963	964	271
25°	890	890	889	893	894	409
35°	779	780	782	788	788	486
45°	631	632	636	645	649	486
55°	461	464	468	473	474	411
65°	274	276	277	281	288	274
75°	135	133	127	124	125	145
85°	35	34	32	30	27	41
90°	0	0	0	0	0	



TEST NUMBER: P737774

CATALOG NUMBER: 14PT-30-PL1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	996.9	996.9	996.9	996.9	996.9
2.5°	996.2	996.9	994.4	999.2	1000.3
5°	994.0	994.4	992.1	996.6	997.7
7.5°	989.2	989.6	987.3	992.1	992.9
10°	981.4	982.2	980.3	984.8	985.9
12.5°	971.5	972.6	970.7	975.5	976.3
15°	959.6	960.7	959.3	963.3	964.1
17.5°	945.2	946.0	945.2	948.9	951.1
20°	929.0	929.0	929.0	932.3	934.1
22.5°	908.7	910.5	909.8	914.2	916.0
25°	889.8	889.8	888.7	892.8	893.5
27.5°	863.6	866.6	866.2	869.9	870.6
30°	839.6	840.3	840.7	843.3	844.8
32.5°	810.4	811.1	812.3	815.9	816.3
35°	779.0	779.7	782.0	787.5	788.2
37.5°	742.4	746.5	748.4	754.3	755.0
40°	705.9	708.5	714.0	720.3	723.2
42.5°	668.6	671.5	674.8	683.3	685.9
45°	631.3	632.4	636.4	644.9	648.6
47.5°	589.9	593.2	596.9	604.3	606.5
50°	548.5	552.2	554.4	561.1	565.5
52.5°	506.8	510.1	512.7	516.8	521.2
55°	461.0	464.3	468.4	472.8	473.9
57.5°	414.4	418.1	420.7	425.5	430.3
60°	364.6	368.6	372.3	376.8	381.6
62.5°	318.0	319.9	323.6	331.0	338.0
65°	273.7	275.9	276.7	280.7	287.7
67.5°	236.8	236.8	233.4	234.9	242.7
70°	198.0	196.5	193.9	192.4	198.7
72.5°	166.6	164.7	159.2	156.6	159.9
75°	135.2	133.3	127.4	124.5	124.8
77.5°	108.6	105.6	100.8	95.7	94.6
80°	82.4	81.3	76.5	71.7	68.0
82.5°	58.4	55.8	53.2	50.2	47.3
85°	35.1	34.4	31.8	29.9	27.3
87.5°	14.4	14.4	13.7	12.9	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)