

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: P737766

Luminaire Tested: **14PT-30-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PC3-L950
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

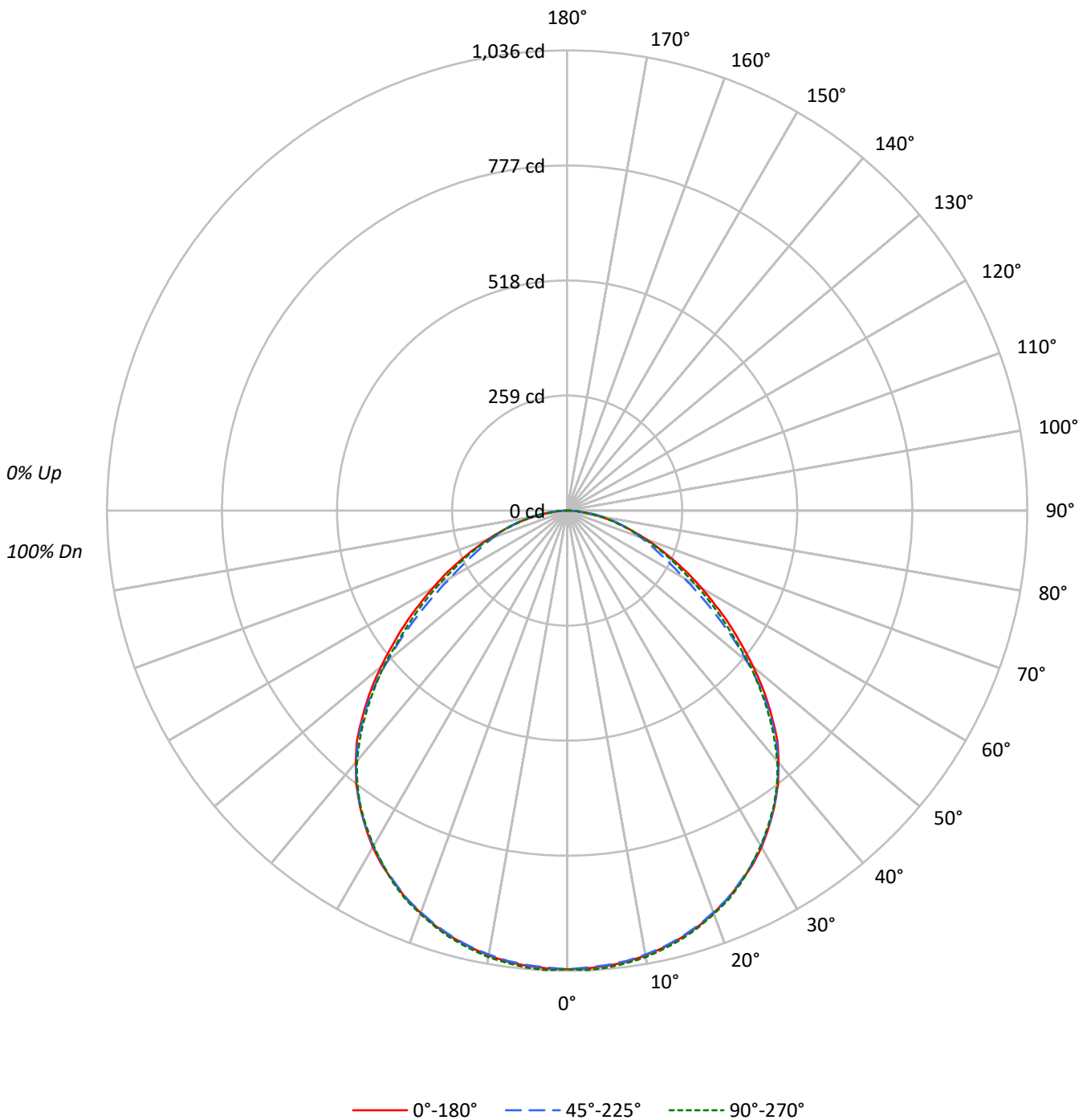
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2603.0 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
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

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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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3096	3096	3096
5°	3096	3091	3109
10°	3096	3091	3107
15°	3089	3086	3099
20°	3075	3071	3083
25°	3054	3049	3061
30°	3031	3021	3016
35°	2976	2973	2968
40°	2898	2893	2880
45°	2756	2736	2707
50°	2551	2465	2493
55°	2328	2139	2235
60°	2099	1825	2002
65°	1876	1632	1800
70°	1664	1545	1618
75°	1471	1498	1442
80°	1269	1428	1262
85°	953	1132	953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	3.8
10°-20°	281.1	10.8
20°-30°	425.6	16.3
30°-40°	507.4	19.5
40°-50°	495.8	19.0
50°-60°	379.1	14.6
60°-70°	243.4	9.3
70°-80°	135.4	5.2
80°-90°	37.4	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°	804.6	30.9
0°-40°	1312.0	50.4
0°-60°	2186.8	84.0
0°-90°	2603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1029	1030	1027	1032	1033	98
15°	995	996	994	998	999	281
25°	923	924	922	925	925	426
35°	813	814	812	812	811	508
45°	650	651	645	644	638	500
55°	445	430	409	414	428	398
65°	264	244	230	238	254	264
75°	127	128	129	127	124	136
85°	28	32	33	32	28	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1032.5	1032.5	1032.5	1032.5	1032.5
2.5°	1031.8	1032.2	1029.6	1034.0	1035.5
5°	1028.8	1029.6	1027.0	1031.8	1032.9
7.5°	1024.4	1025.2	1022.6	1027.4	1027.7
10°	1017.0	1017.4	1015.2	1020.0	1020.7
12.5°	1007.1	1008.2	1005.6	1010.0	1010.4
15°	995.2	996.0	994.1	997.5	998.6
17.5°	981.2	981.6	979.7	983.4	983.8
20°	963.8	963.8	962.4	966.4	966.4
22.5°	946.1	945.0	944.6	946.1	948.3
25°	923.2	924.3	921.7	924.7	925.4
27.5°	901.1	901.1	898.9	900.3	898.5
30°	875.6	874.1	872.6	873.0	871.2
32.5°	844.9	844.9	844.2	844.2	842.0
35°	813.2	813.9	812.4	812.1	811.0
37.5°	779.2	780.3	777.7	777.0	776.2
40°	740.4	740.4	739.3	737.8	736.0
42.5°	700.2	700.2	695.4	691.7	689.1
45°	650.0	651.4	645.2	643.7	638.5
47.5°	600.1	599.0	590.5	589.4	586.4
50°	546.9	540.6	528.5	531.8	534.4
52.5°	493.7	486.0	468.3	472.0	476.4
55°	445.4	429.9	409.2	414.3	427.6
57.5°	394.8	374.1	353.4	363.0	379.6
60°	350.1	326.8	304.3	314.6	333.8
62.5°	307.2	282.5	264.4	274.4	290.6
65°	264.4	244.1	230.1	237.8	253.7
67.5°	225.3	211.6	202.0	205.7	218.6
70°	189.8	181.3	176.2	177.3	184.6
72.5°	156.2	154.0	152.1	152.1	152.9
75°	127.0	128.1	129.3	127.4	124.5
77.5°	100.1	103.8	106.4	102.7	99.0
80°	73.5	79.4	82.7	78.7	73.1
82.5°	50.2	56.9	58.0	55.4	49.1
85°	27.7	32.5	32.9	31.8	27.7
87.5°	10.3	12.2	13.3	12.2	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)