

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: P737775

Luminaire Tested: **14PT-30-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PP3-L830
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

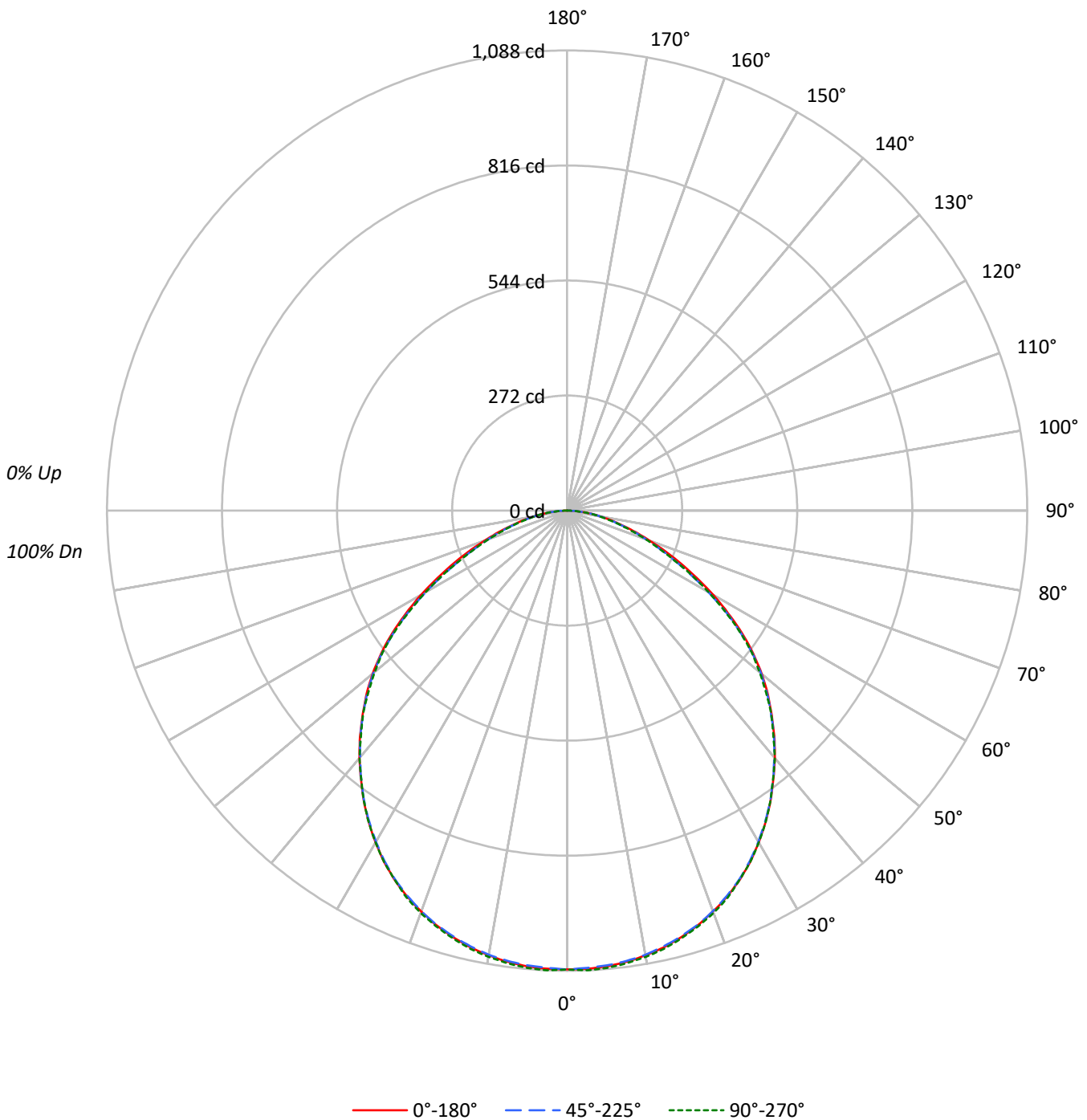
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2803.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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	109	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3252	3252	3252
5°	3255	3248	3266
10°	3251	3246	3262
15°	3240	3234	3248
20°	3219	3216	3230
25°	3190	3185	3189
30°	3137	3130	3137
35°	3068	3064	3067
40°	2990	2980	2988
45°	2900	2892	2895
50°	2803	2790	2770
55°	2639	2608	2599
60°	2394	2314	2319
65°	2103	1997	1994
70°	1819	1737	1715
75°	1573	1514	1483
80°	1393	1373	1312
85°	1152	1194	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	3.7
10°-20°	294.7	10.5
20°-30°	443.7	15.8
30°-40°	523.7	18.7
40°-50°	526.7	18.8
50°-60°	444.6	15.9
60°-70°	285.6	10.2
70°-80°	142.0	5.1
80°-90°	38.9	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°	841.4	30.0
0°-40°	1365.1	48.7
0°-60°	2336.4	83.4
0°-90°	2803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1085	1085	1085	1085	1085	
5°	1082	1082	1079	1084	1085	103
15°	1044	1044	1042	1047	1047	295
25°	964	965	963	965	964	444
35°	838	839	837	838	838	524
45°	684	686	682	683	683	528
55°	505	504	499	497	497	449
65°	296	292	282	279	281	296
75°	136	135	131	130	128	147
85°	34	35	35	33	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1084.4	1084.8	1082.1	1087.2	1088.0
5°	1081.7	1082.1	1079.3	1084.4	1085.2
7.5°	1076.2	1076.6	1074.2	1078.9	1079.7
10°	1067.9	1069.1	1066.3	1070.6	1071.4
12.5°	1057.7	1058.0	1055.3	1060.4	1061.2
15°	1043.9	1044.3	1041.9	1046.6	1046.6
17.5°	1028.1	1028.5	1026.9	1030.9	1030.5
20°	1008.8	1010.0	1008.0	1010.8	1012.4
22.5°	988.0	988.3	986.0	989.5	991.1
25°	964.3	964.7	962.8	964.7	963.9
27.5°	936.8	937.6	934.8	936.8	937.2
30°	906.1	908.0	904.1	905.7	906.1
32.5°	873.0	874.2	871.4	871.8	873.8
35°	838.3	838.7	837.1	837.9	837.9
37.5°	800.9	802.5	800.1	801.3	799.7
40°	763.9	762.3	761.5	762.3	763.5
42.5°	724.9	725.3	724.1	723.3	721.4
45°	684.0	686.3	682.0	682.8	682.8
47.5°	643.8	644.2	641.8	639.5	637.9
50°	600.9	600.9	598.1	596.2	593.8
52.5°	554.0	553.2	550.1	548.1	549.3
55°	504.8	504.4	498.9	496.9	497.3
57.5°	450.9	451.6	443.4	441.4	441.4
60°	399.3	395.3	385.9	383.1	386.7
62.5°	345.3	340.6	330.4	330.4	333.1
65°	296.5	292.2	281.5	278.8	281.1
67.5°	250.8	246.9	237.0	235.5	236.3
70°	207.5	204.0	198.1	194.5	195.7
72.5°	170.1	167.0	163.0	160.3	158.7
75°	135.8	135.1	130.7	129.5	128.0
77.5°	107.5	107.1	103.6	102.0	100.4
80°	80.7	80.3	79.5	77.2	76.0
82.5°	57.5	57.5	57.1	55.1	53.9
85°	33.5	34.7	34.7	32.7	32.7
87.5°	13.4	14.2	13.4	13.4	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)