

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: P737759

Luminaire Tested: **14PT-30-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737759
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-L830
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

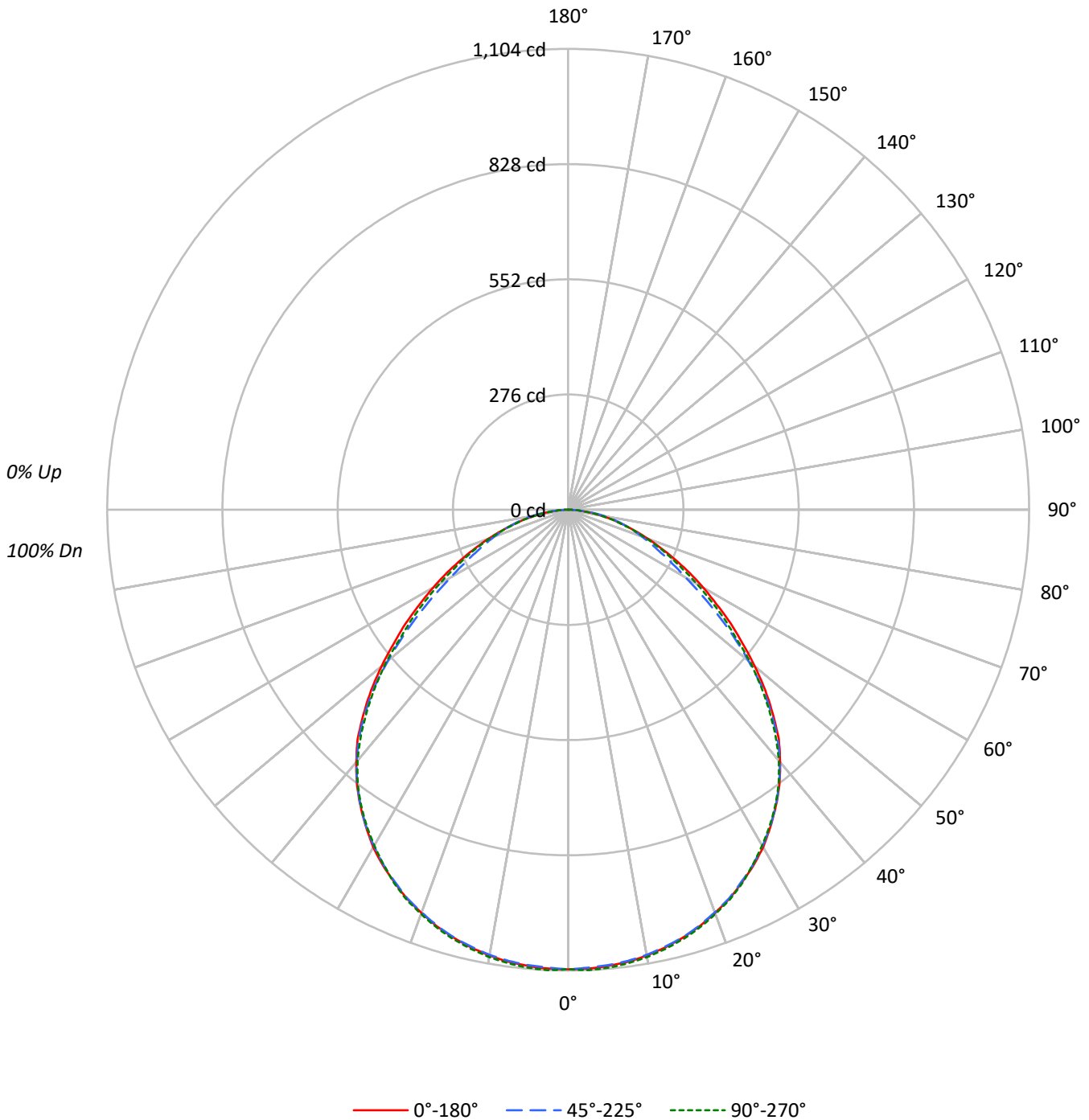
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2776.0 lumens
Efficiency: N/A
Efficacy: 118.6 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 (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	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°	3301	3301	3301
5°	3302	3296	3315
10°	3302	3296	3314
15°	3294	3291	3305
20°	3279	3274	3288
25°	3257	3252	3265
30°	3233	3222	3216
35°	3174	3171	3166
40°	3090	3086	3072
45°	2939	2917	2887
50°	2721	2629	2658
55°	2483	2281	2384
60°	2239	1946	2135
65°	2001	1741	1920
70°	1774	1647	1726
75°	1570	1596	1537
80°	1354	1523	1347
85°	1015	1207	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	3.8
10°-20°	299.8	10.8
20°-30°	453.9	16.3
30°-40°	541.1	19.5
40°-50°	528.7	19.0
50°-60°	404.3	14.6
60°-70°	259.6	9.3
70°-80°	144.4	5.2
80°-90°	39.9	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°	858.1	30.9
0°-40°	1399.2	50.4
0°-60°	2332.2	84.0
0°-90°	2776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1101	1101	1101	1101	1101	
5°	1097	1098	1095	1100	1102	104
15°	1061	1062	1060	1064	1065	300
25°	985	986	983	986	987	454
35°	867	868	866	866	865	542
45°	693	695	688	686	681	533
55°	475	458	436	442	456	425
65°	282	260	245	254	271	281
75°	136	137	138	136	133	145
85°	30	35	35	34	30	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1101.2	1101.2	1101.2	1101.2	1101.2
2.5°	1100.4	1100.8	1098.0	1102.7	1104.3
5°	1097.2	1098.0	1095.3	1100.4	1101.6
7.5°	1092.5	1093.3	1090.5	1095.6	1096.0
10°	1084.6	1085.0	1082.6	1087.8	1088.6
12.5°	1074.0	1075.2	1072.4	1077.1	1077.5
15°	1061.4	1062.2	1060.2	1063.7	1064.9
17.5°	1046.4	1046.8	1044.8	1048.8	1049.2
20°	1027.9	1027.9	1026.3	1030.7	1030.7
22.5°	1009.0	1007.8	1007.4	1009.0	1011.4
25°	984.6	985.8	983.0	986.2	986.9
27.5°	961.0	961.0	958.6	960.2	958.2
30°	933.8	932.2	930.6	931.0	929.1
32.5°	901.1	901.1	900.3	900.3	897.9
35°	867.2	868.0	866.4	866.0	864.9
37.5°	831.0	832.2	829.4	828.6	827.8
40°	789.6	789.6	788.5	786.9	784.9
42.5°	746.7	746.7	741.6	737.7	734.9
45°	693.1	694.7	688.0	686.5	680.9
47.5°	640.0	638.8	629.7	628.6	625.4
50°	583.3	576.6	563.6	567.1	569.9
52.5°	526.6	518.3	499.4	503.3	508.0
55°	475.0	458.4	436.4	441.9	456.1
57.5°	421.0	399.0	376.9	387.1	404.9
60°	373.4	348.5	324.5	335.5	356.0
62.5°	327.7	301.3	282.0	292.6	309.9
65°	282.0	260.3	245.4	253.6	270.6
67.5°	240.2	225.7	215.4	219.4	233.1
70°	202.4	193.4	187.9	189.0	196.9
72.5°	166.6	164.2	162.3	162.3	163.0
75°	135.5	136.7	137.8	135.9	132.7
77.5°	106.7	110.7	113.4	109.5	105.5
80°	78.4	84.7	88.2	83.9	78.0
82.5°	53.6	60.7	61.8	59.1	52.4
85°	29.5	34.7	35.1	33.9	29.5
87.5°	11.0	13.0	14.2	13.0	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)