

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P571911

Luminaire Tested: 22ID-30-L830-DBR

Issue Date: 10/5/2021

Test Information

Test Method: LM-79-2019
Report Number: P571911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-397-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22ID-30-L830-DBR
Description: 3000 LUMEN, 2X2 INDEPTH TROFFER WITH 2IN REGRESSED DOUBLE BARRELL LENS AND 3000K, 80 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2960.0 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

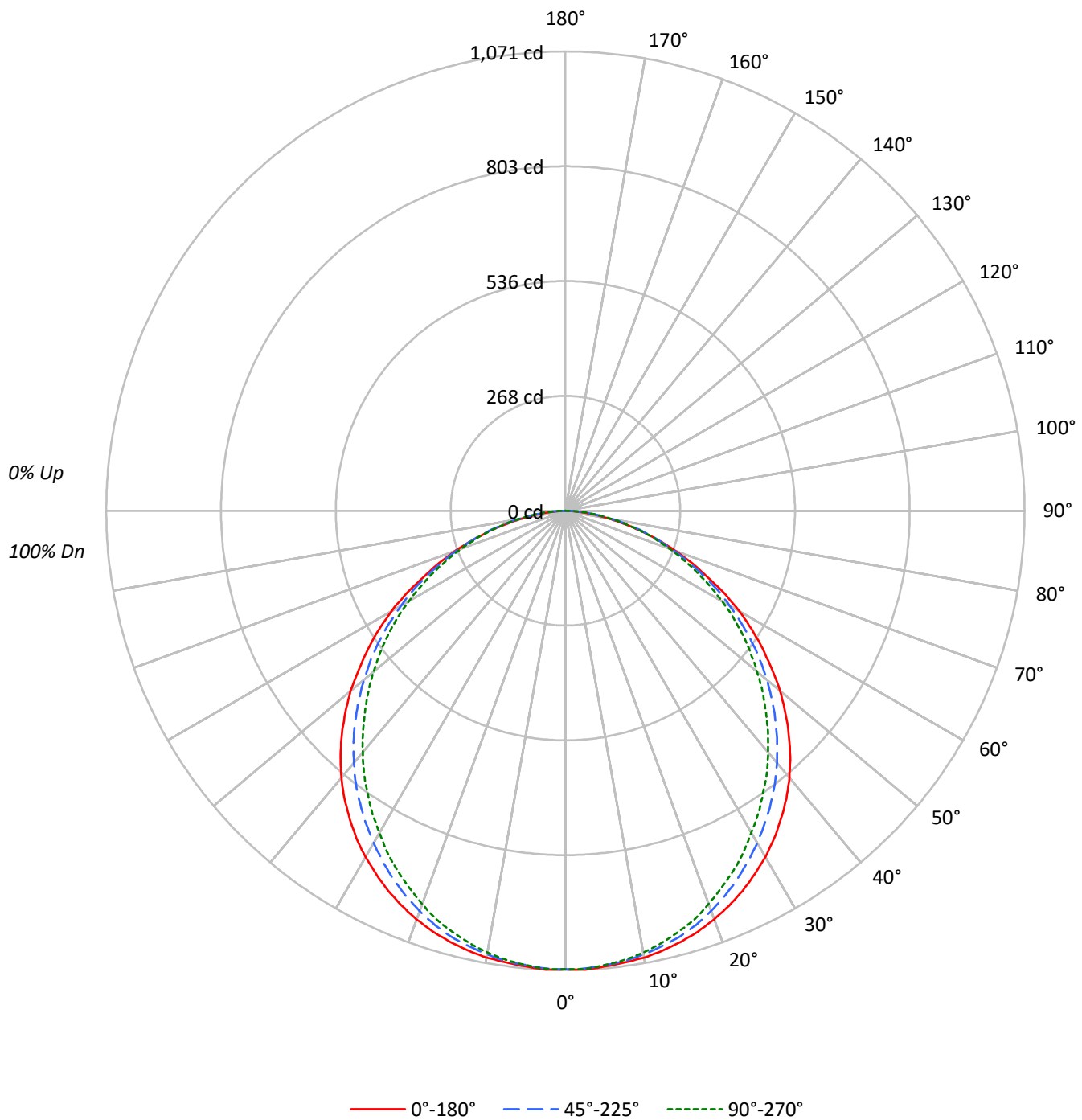
Input Watts (W): 24.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P571911

CATALOG NUMBER: 22ID-30-L830-DBR

Luminous Intensity Polar Plot



TEST NUMBER: P571911

CATALOG NUMBER: 22ID-30-L830-DBR

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86
2	99	91	84	78	96	89	83	78	85	80	76	82	78	74	79	76	72
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	51	46
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29
10	53	40	32	27	52	39	32	27	38	31	27	38	31	27	37	31	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2879	2879	2879
5°	2882	2874	2874
10°	2891	2871	2859
15°	2899	2866	2834
20°	2905	2846	2796
25°	2903	2817	2752
30°	2898	2780	2694
35°	2881	2742	2642
40°	2856	2696	2584
45°	2805	2638	2516
50°	2737	2566	2444
55°	2636	2486	2369
60°	2521	2380	2270
65°	2323	2249	2146
70°	2135	2102	2032
75°	1882	1942	1882
80°	1537	1697	1697
85°	945	1352	1352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2805 cd/sqm

TEST NUMBER: P571911

CATALOG NUMBER: 22ID-30-L830-DBR

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	3.4
10°-20°	290.1	9.8
20°-30°	437.8	14.8
30°-40°	523.9	17.7
40°-50°	536.5	18.1
50°-60°	474.3	16.0
60°-70°	350.4	11.8
70°-80°	195.8	6.6
80°-90°	50.0	1.7
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°	829.2	28.0
0°-40°	1353.0	45.7
0°-60°	2363.8	79.9
0°-90°	2960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2960.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1070	1070	1070	1070	1070	
5°	1067	1065	1064	1062	1064	102
15°	1040	1036	1029	1020	1017	294
25°	978	969	949	932	927	451
35°	877	864	835	811	804	549
45°	737	722	693	668	661	568
55°	562	552	530	511	505	502
65°	365	365	353	342	337	364
75°	181	188	187	184	181	193
85°	31	39	44	45	44	42
90°	0	0	0	0	0	

TEST NUMBER: P571911

CATALOG NUMBER: 22ID-30-L830-DBR

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1069.7	1069.7	1069.7	1069.7	1069.7
2.5°	1071.2	1068.3	1068.3	1068.3	1069.7
5°	1066.8	1065.4	1063.9	1062.4	1063.9
7.5°	1062.4	1061.0	1059.5	1055.1	1056.6
10°	1058.1	1055.1	1050.8	1046.4	1046.4
12.5°	1050.8	1046.4	1040.5	1034.7	1033.2
15°	1040.5	1036.2	1028.9	1020.1	1017.2
17.5°	1028.9	1023.0	1012.8	1002.6	999.7
20°	1014.3	1008.4	993.8	980.7	976.3
22.5°	996.8	989.5	971.9	957.4	951.5
25°	977.8	969.0	948.6	932.5	926.7
27.5°	955.9	945.7	922.3	904.8	899.0
30°	932.5	920.9	894.6	875.6	866.9
32.5°	906.3	893.1	865.4	843.5	837.7
35°	877.1	864.0	834.8	811.4	804.1
37.5°	846.4	831.8	802.7	777.9	772.0
40°	812.9	798.3	767.6	741.4	735.5
42.5°	776.4	760.3	731.2	706.3	699.0
45°	737.0	722.4	693.2	668.4	661.1
47.5°	696.1	683.0	653.8	630.5	623.2
50°	653.8	640.7	612.9	589.6	583.8
52.5°	607.1	596.9	572.1	548.7	544.4
55°	561.9	551.6	529.8	510.8	504.9
57.5°	515.2	504.9	486.0	467.0	464.1
60°	468.5	459.7	442.2	427.6	421.8
62.5°	417.4	414.5	399.9	383.8	379.4
65°	364.8	364.8	353.2	341.5	337.1
67.5°	319.6	318.1	309.4	302.1	297.7
70°	271.4	274.4	267.1	259.8	258.3
72.5°	226.2	229.1	226.2	221.8	218.9
75°	181.0	188.3	186.8	183.9	181.0
77.5°	138.6	147.4	147.4	145.9	144.5
80°	99.2	108.0	109.5	109.5	109.5
82.5°	62.8	71.5	75.9	75.9	75.9
85°	30.6	39.4	43.8	45.2	43.8
87.5°	10.2	14.6	16.1	17.5	17.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P571911

CATALOG NUMBER: 22ID-30-L830-DBR

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.54	17.17	15.90	17.48	17.80	14.97	16.59	15.33	16.91	17.22
	3H	17.21	18.68	17.59	19.01	19.37	16.71	18.18	17.09	18.51	18.87
	4H	17.80	19.18	18.20	19.53	19.91	17.37	18.75	17.76	19.10	19.47
	6H	18.19	19.47	18.60	19.83	20.22	17.85	19.13	18.26	19.50	19.89
	8H	18.28	19.51	18.71	19.90	20.30	18.00	19.23	18.43	19.62	20.02
	12H	18.32	19.50	18.75	19.88	20.31	18.10	19.27	18.53	19.65	20.08
4H	2H	16.09	17.47	16.49	17.82	18.20	15.63	17.02	16.03	17.37	17.74
	3H	17.99	19.15	18.40	19.55	19.95	17.59	18.75	18.00	19.15	19.55
	4H	18.72	19.77	19.15	20.18	20.62	18.37	19.42	18.80	19.83	20.27
	6H	19.23	20.15	19.69	20.59	21.04	18.98	19.89	19.43	20.34	20.79
	8H	19.37	20.23	19.83	20.67	21.13	19.18	20.03	19.64	20.48	20.94
	12H	19.44	20.21	19.92	20.69	21.16	19.31	20.08	19.79	20.56	21.03
8H	4H	19.00	19.85	19.46	20.30	20.76	18.69	19.55	19.15	19.99	20.46
	6H	19.63	20.34	20.12	20.83	21.30	19.42	20.13	19.91	20.62	21.09
	8H	19.83	20.47	20.34	20.97	21.46	19.68	20.32	20.19	20.83	21.31
	12H	19.95	20.52	20.46	21.01	21.57	19.89	20.45	20.39	20.94	21.50
12H	4H	19.03	19.80	19.51	20.27	20.74	18.72	19.49	19.20	19.97	20.44
	6H	19.67	20.31	20.18	20.82	21.31	19.47	20.11	19.98	20.61	21.10
	8H	19.93	20.49	20.44	20.98	21.54	19.79	20.36	20.30	20.85	21.41

END OF REPORT