

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: P1057019

Luminaire Tested: CB2-D-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057019
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10912.9 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

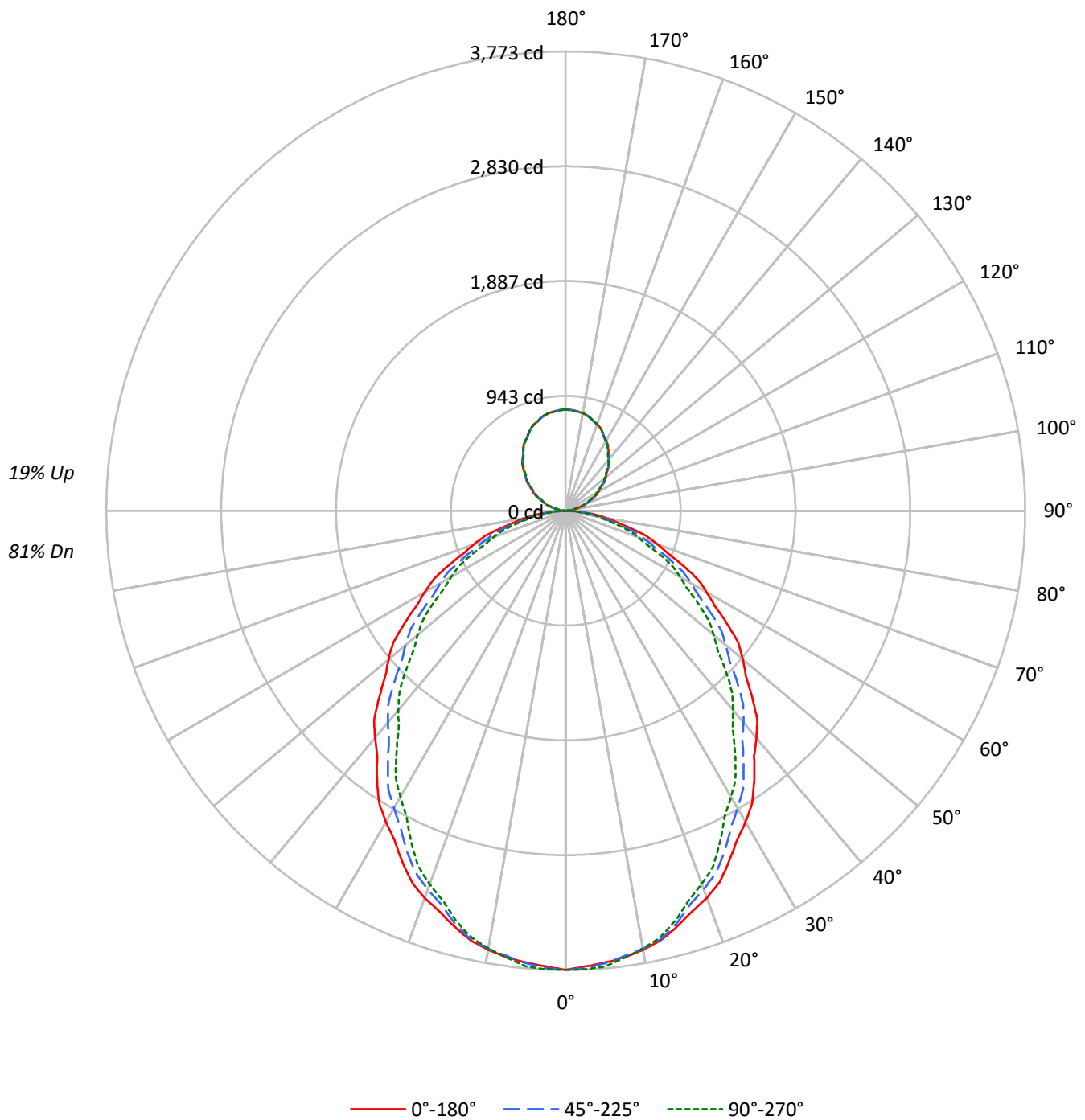
Input Watts (W): 106.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057019

CATALOG NUMBER: CB2-D-030U-120D-830-1D-UNV-STD-W-8

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84
1	105	100	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52
4	80	69	61	55	77	67	59	53	62	56	51	57	52	48	53	49	45
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40
6	69	56	48	42	65	54	46	41	50	44	39	47	41	37	44	39	35
7	64	51	43	37	61	49	41	36	46	39	34	43	37	33	40	35	31
8	59	46	38	33	57	45	37	32	42	36	31	39	34	30	37	32	28
9	55	43	35	30	53	41	34	29	39	32	28	36	31	27	34	29	26
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 26647 cd/sqm

TEST NUMBER: P1057019

CATALOG NUMBER: CB2-D-030U-120D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	3.3
10°-20°	988.9	9.1
20°-30°	1421.9	13.0
30°-40°	1598.2	14.6
40°-50°	1543.9	14.1
50°-60°	1304.5	12.0
60°-70°	937.0	8.6
70°-80°	512.1	4.7
80°-90°	136.1	1.2
90°-100°	32.1	0.3
100°-110°	132.2	1.2
110°-120°	239.9	2.2
120°-130°	326.5	3.0
130°-140°	376.9	3.5
140°-150°	379.8	3.5
150°-160°	327.7	3.0
160°-170°	222.1	2.0
170°-180°	78.4	0.7
0°-30°	2765.7	25.3
0°-40°	4363.9	40.0
0°-60°	7212.3	66.1
0°-90°	8797.4	80.6
90°-120°	404.1	3.7
90°-150°	1487.3	13.6
90°-180°	2115.0	19.4
0°-180°	10912.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	1	0	1	6
95°	31	27	26	20	20	36
105°	131	129	126	118	117	139
115°	248	248	243	236	236	245
125°	370	373	366	358	358	330
135°	492	498	490	481	484	379
145°	610	617	608	600	605	381
155°	714	721	710	706	712	328
165°	789	797	787	782	789	222
175°	826	835	824	819	821	78
180°	830	830	830	830	830	

TEST NUMBER: P1057019

CATALOG NUMBER: CB2-D-030U-120D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.5	27.7	27.9
90°	0.0	0.0	0.6	0.0	0.6
92.5°	7.8	6.8	6.3	4.2	4.8
95°	31.1	27.3	25.9	20.1	20.1
97.5°	58.6	54.8	52.8	46.8	45.6
100°	78.3	74.5	72.5	66.0	64.7
102.5°	98.5	96.7	93.2	86.2	84.9
105°	130.7	128.8	125.5	118.4	117.1
107.5°	163.8	164.2	159.3	153.4	151.7
110°	187.6	187.0	183.1	177.3	176.0

TEST NUMBER: P1057019

CATALOG NUMBER: CB2-D-030U-120D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	212.0	210.8	206.9	201.1	199.8
115°	248.5	247.8	243.3	236.2	235.5
117.5°	283.1	285.2	279.8	272.3	272.0
120°	308.0	310.5	304.1	297.6	296.3
122.5°	332.3	335.3	328.9	321.4	321.7
125°	369.5	373.2	365.6	357.8	358.5
127.5°	405.3	410.0	402.8	395.0	395.7
130°	429.6	435.3	427.7	419.3	420.6
132.5°	454.5	460.2	452.5	443.7	445.9
135°	492.4	498.1	489.8	480.8	484.0
137.5°	528.1	533.8	524.7	517.2	521.0
140°	551.9	557.6	548.0	541.0	544.8
142.5°	575.2	581.9	571.8	564.3	569.1
145°	610.1	617.1	607.6	600.5	605.0
147.5°	643.3	650.2	640.6	633.8	638.4
150°	664.5	671.5	661.3	655.6	660.6
152.5°	684.2	692.1	681.4	675.8	682.4
155°	713.7	720.6	710.4	706.0	711.7
157.5°	739.3	747.4	737.2	733.4	738.0
160°	756.4	764.0	753.8	750.0	755.1
162.5°	769.3	777.4	767.8	763.5	769.6
165°	788.7	796.9	786.8	782.4	789.4
167.5°	804.0	812.7	802.4	797.9	805.0
170°	813.3	821.5	810.7	805.7	813.3
172.5°	819.5	828.3	816.9	811.9	816.9
175°	826.3	835.1	824.3	819.2	821.1
177.5°	829.5	836.6	827.9	823.4	829.5
180°	829.5	829.5	829.5	829.5	829.5

(END OF REPORT)