

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: P1057128

Luminaire Tested: CB3-D-030U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057128
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11905.5 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

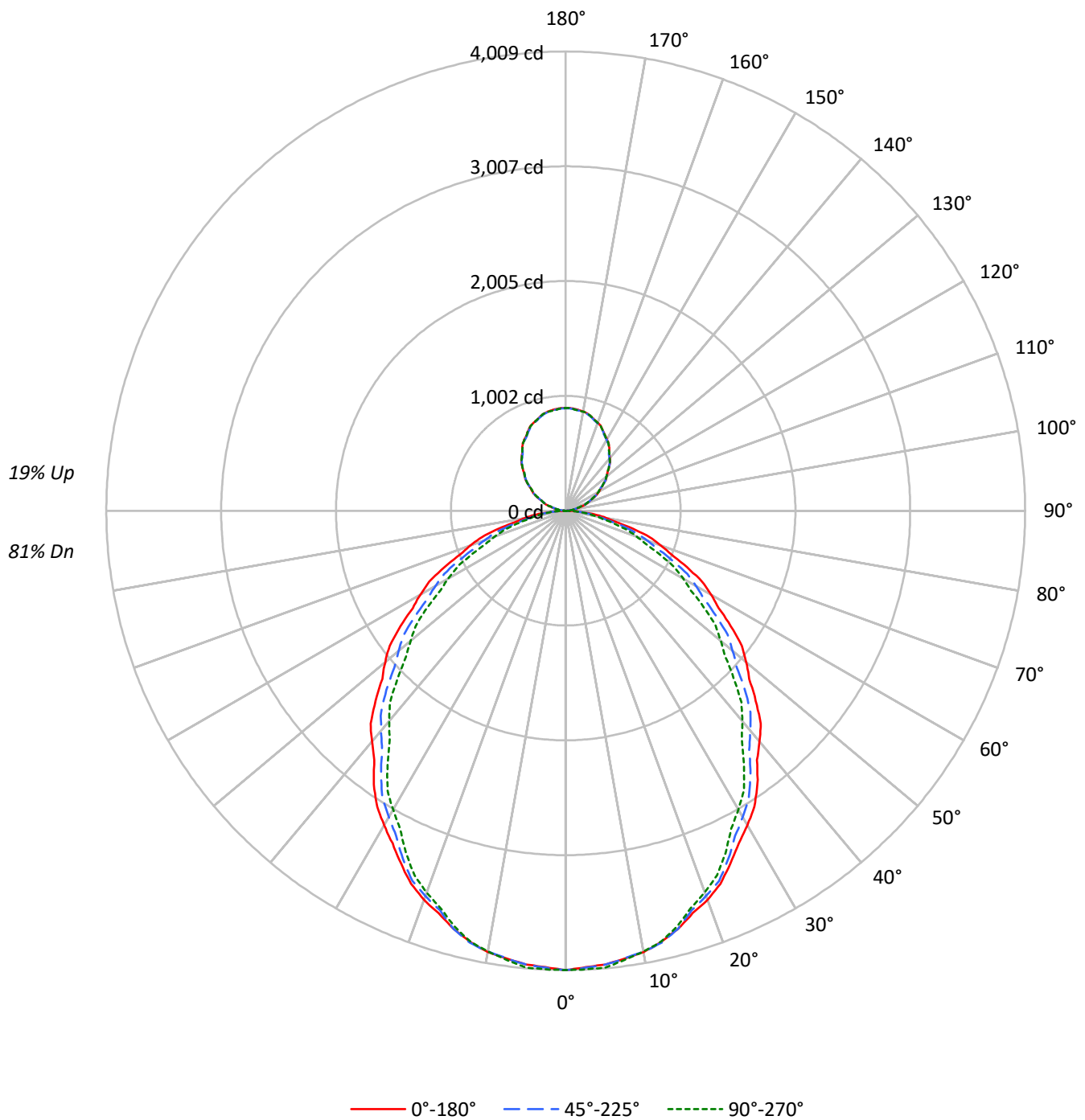
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
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	101	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	55	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	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28
9	55	43	35	29	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°	22682	22682	22682
5°	22575	22591	22725
10°	22476	22443	22443
15°	22132	22132	21998
20°	21773	21550	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.3	3.2
10°-20°	1062.8	8.9
20°-30°	1543.9	13.0
30°-40°	1755.3	14.7
40°-50°	1704.0	14.3
50°-60°	1438.6	12.1
60°-70°	1023.5	8.6
70°-80°	546.9	4.6
80°-90°	144.5	1.2
90°-100°	37.8	0.3
100°-110°	148.0	1.2
110°-120°	263.8	2.2
120°-130°	357.0	3.0
130°-140°	410.5	3.4
140°-150°	411.9	3.5
150°-160°	354.2	3.0
160°-170°	239.8	2.0
170°-180°	84.6	0.7
0°-30°	2985.0	25.1
0°-40°	4740.3	39.8
0°-60°	7882.8	66.2
0°-90°	9597.7	80.6
90°-120°	449.7	3.8
90°-150°	1629.1	13.7
90°-180°	2308.0	19.4
0°-180°	11905.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4009	4009	4009	4009	4009	
5°	3975	4025	3978	3973	4002	377
15°	3779	3812	3779	3756	3756	1064
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	0	0	7
95°	36	33	30	28	28	42
105°	144	143	138	136	135	153
115°	269	270	264	264	263	267
125°	401	406	398	396	397	359
135°	534	540	531	527	532	412
145°	662	667	656	653	659	414
155°	772	779	766	763	771	355
165°	853	860	849	844	853	240
175°	893	901	889	884	887	85
180°	895	895	895	895	895	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4009.4	4009.4	4009.4	4009.4	4009.4
2.5°	3988.9	4029.0	3993.5	3998.2	4007.1
5°	3975.2	4025.4	3978.1	3973.0	4001.6
7.5°	3944.5	3990.1	3941.1	3929.7	3954.7
10°	3912.6	3962.7	3906.9	3893.0	3906.9
12.5°	3855.7	3908.0	3863.6	3840.6	3852.2
15°	3778.8	3812.2	3778.8	3756.0	3756.0
17.5°	3684.8	3719.9	3656.9	3640.8	3634.6
20°	3616.5	3647.1	3579.5	3556.5	3547.5
22.5°	3525.4	3553.8	3497.5	3458.0	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.4	33.0	29.5	27.5	28.1
97.5°	67.1	63.9	59.6	57.5	58.1
100°	88.6	85.9	81.0	79.0	79.0
102.5°	109.4	107.8	103.0	100.9	101.5
105°	143.5	142.8	138.0	135.9	134.6
107.5°	181.1	179.9	174.5	174.4	173.2
110°	205.3	204.6	199.8	199.1	198.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	230.0	230.9	225.6	224.9	224.2
115°	269.1	270.5	264.3	263.6	263.0
117.5°	309.2	311.1	304.6	303.8	302.6
120°	335.0	339.1	330.9	330.2	329.6
122.5°	361.4	364.9	357.3	356.1	355.9
125°	401.0	405.7	397.5	396.2	396.8
127.5°	440.5	445.3	437.8	435.0	436.5
130°	466.9	472.2	464.1	461.4	463.4
132.5°	493.8	499.2	491.0	488.4	491.4
135°	534.2	539.5	530.7	526.7	532.1
137.5°	573.6	578.3	568.6	565.9	571.5
140°	599.4	604.1	593.9	590.6	597.3
142.5°	624.6	629.9	618.6	615.3	622.6
145°	661.9	667.2	656.4	653.1	659.1
147.5°	697.6	703.1	692.1	688.2	694.4
150°	719.5	725.6	714.0	710.8	717.5
152.5°	740.9	747.5	735.5	731.7	740.0
155°	772.4	779.1	766.2	763.0	771.0
157.5°	800.7	806.9	795.2	791.9	798.9
160°	817.7	824.4	812.2	809.0	817.0
162.5°	832.5	839.3	828.1	823.8	831.9
165°	852.7	860.1	848.6	844.0	852.7
167.5°	869.6	877.5	865.4	861.2	869.9
170°	879.5	886.9	874.7	869.4	878.1
172.5°	886.1	893.5	881.3	875.9	882.0
175°	893.2	901.3	889.1	883.7	887.1
177.5°	896.4	902.8	893.1	888.3	895.8
180°	895.3	895.3	895.3	895.3	895.3

(END OF REPORT)