

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: P1057120

Luminaire Tested: CB3-D-030U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057120
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4558.5 lumens
Efficiency: N/A
Efficacy: 131.7 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: General Diffuse

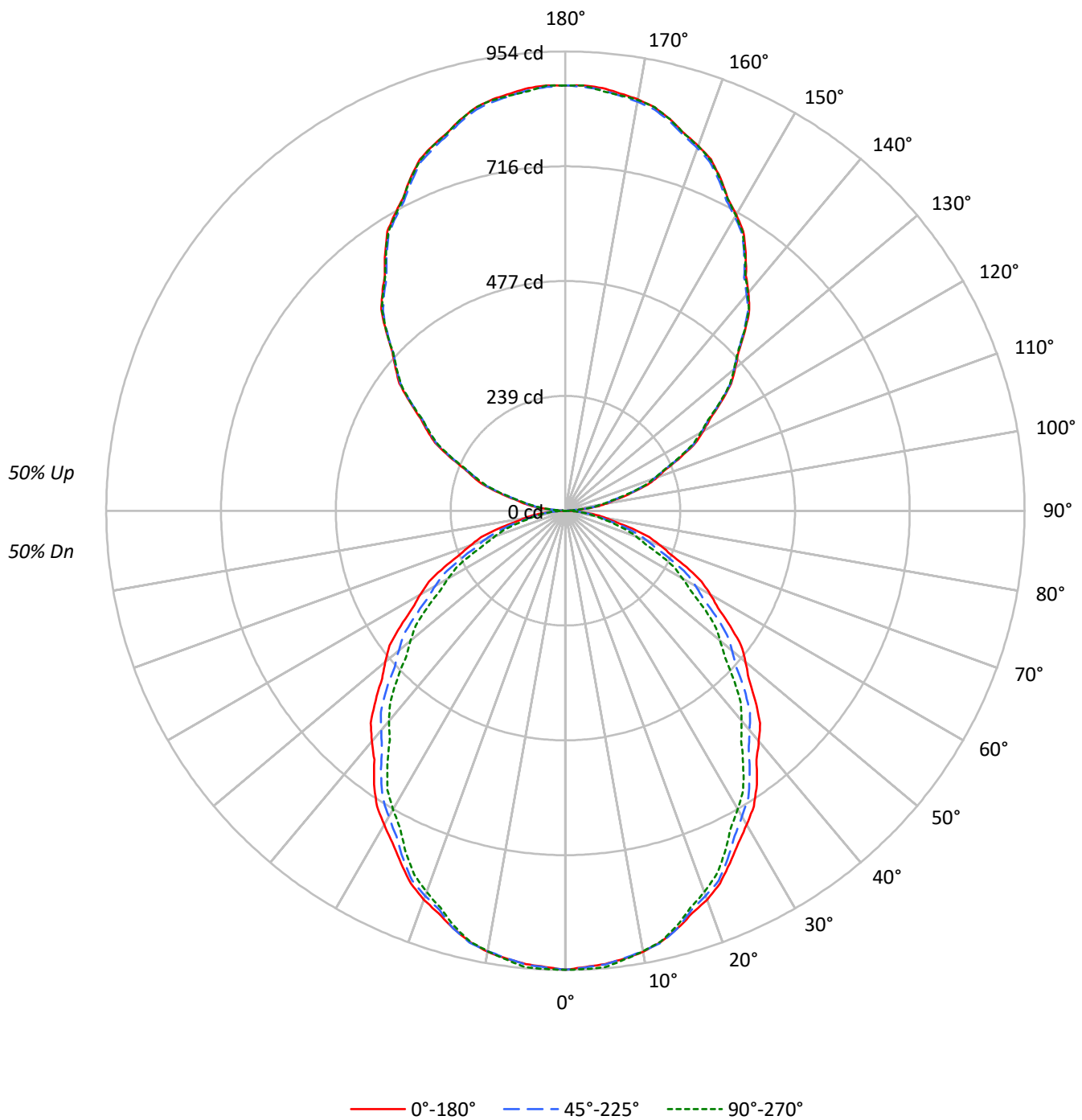
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5394	5394	5394
5°	5369	5373	5407
10°	5345	5338	5338
15°	5264	5264	5232
20°	5178	5125	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	2.0
10°-20°	252.8	5.5
20°-30°	367.0	8.1
30°-40°	417.2	9.2
40°-50°	405.0	8.9
50°-60°	342.0	7.5
60°-70°	243.3	5.3
70°-80°	130.0	2.9
80°-90°	34.3	0.8
90°-100°	37.3	0.8
100°-110°	146.1	3.2
110°-120°	260.3	5.7
120°-130°	352.3	7.7
130°-140°	405.0	8.9
140°-150°	406.4	8.9
150°-160°	349.5	7.7
160°-170°	236.6	5.2
170°-180°	83.4	1.8
0°-30°	709.8	15.6
0°-40°	1127.0	24.7
0°-60°	1874.0	41.1
0°-90°	2281.6	50.1
90°-120°	443.7	9.7
90°-150°	1607.4	35.3
90°-180°	2277.0	50.0
0°-180°	4558.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	945	957	946	945	952	90
15°	899	907	899	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	0	0	3
95°	36	33	29	27	28	41
105°	142	141	136	134	133	151
115°	266	267	261	260	260	263
125°	396	400	392	391	392	354
135°	527	532	524	520	525	406
145°	653	658	648	644	650	408
155°	762	769	756	753	761	351
165°	841	849	837	833	841	237
175°	881	889	877	872	875	84
180°	883	883	883	883	883	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.5	953.5	953.5	953.5	953.5
2.5°	948.7	958.2	949.7	950.9	953.0
5°	945.4	957.3	946.1	944.9	952.2
7.5°	938.1	949.0	937.3	934.6	940.5
10°	930.5	942.4	929.2	925.9	929.2
12.5°	917.0	929.4	918.9	913.4	916.2
15°	898.7	906.7	898.7	893.3	893.3
17.5°	876.4	884.7	869.8	865.9	864.3
20°	860.1	867.4	851.3	845.9	843.2
22.5°	838.5	845.2	831.9	822.0	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.3	4.3
95°	35.9	32.6	29.1	27.1	27.8
97.5°	66.3	63.1	58.8	56.8	57.3
100°	87.4	84.7	79.9	77.9	77.9
102.5°	108.0	106.4	101.6	99.6	100.1
105°	141.6	140.9	136.2	134.1	132.8
107.5°	178.7	177.5	172.2	172.0	170.8
110°	202.5	201.9	197.1	196.4	195.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	226.9	227.9	222.6	221.9	221.2
115°	265.5	266.9	260.8	260.1	259.5
117.5°	305.1	307.0	300.5	299.8	298.6
120°	330.6	334.6	326.5	325.8	325.2
122.5°	356.6	360.0	352.5	351.3	351.2
125°	395.6	400.2	392.2	390.9	391.5
127.5°	434.6	439.4	431.9	429.2	430.7
130°	460.6	465.9	457.9	455.3	457.3
132.5°	487.2	492.5	484.5	481.9	484.9
135°	527.0	532.3	523.6	519.7	525.0
137.5°	565.9	570.6	561.0	558.3	563.9
140°	591.4	596.0	586.0	582.7	589.4
142.5°	616.3	621.5	610.4	607.1	614.3
145°	653.0	658.3	647.6	644.4	650.3
147.5°	688.3	693.7	682.8	679.0	685.1
150°	709.9	715.9	704.5	701.3	707.9
152.5°	731.1	737.6	725.7	721.9	730.1
155°	762.1	768.7	756.0	752.8	760.7
157.5°	790.0	796.1	784.6	781.4	788.2
160°	806.8	813.4	801.4	798.2	806.1
162.5°	821.4	828.1	817.1	812.8	820.8
165°	841.4	848.6	837.3	832.7	841.4
167.5°	858.0	865.8	853.8	849.7	858.3
170°	867.8	875.1	863.0	857.8	866.4
172.5°	874.3	881.6	869.5	864.3	870.2
175°	881.3	889.3	877.3	871.9	875.2
177.5°	884.4	890.8	881.2	876.5	883.9
180°	883.4	883.4	883.4	883.4	883.4

(END OF REPORT)