

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: P1057014

Luminaire Tested: CB2-D-030U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057014
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-055D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 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: 6725.3 lumens
Efficiency: N/A
Efficacy: 122.5 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

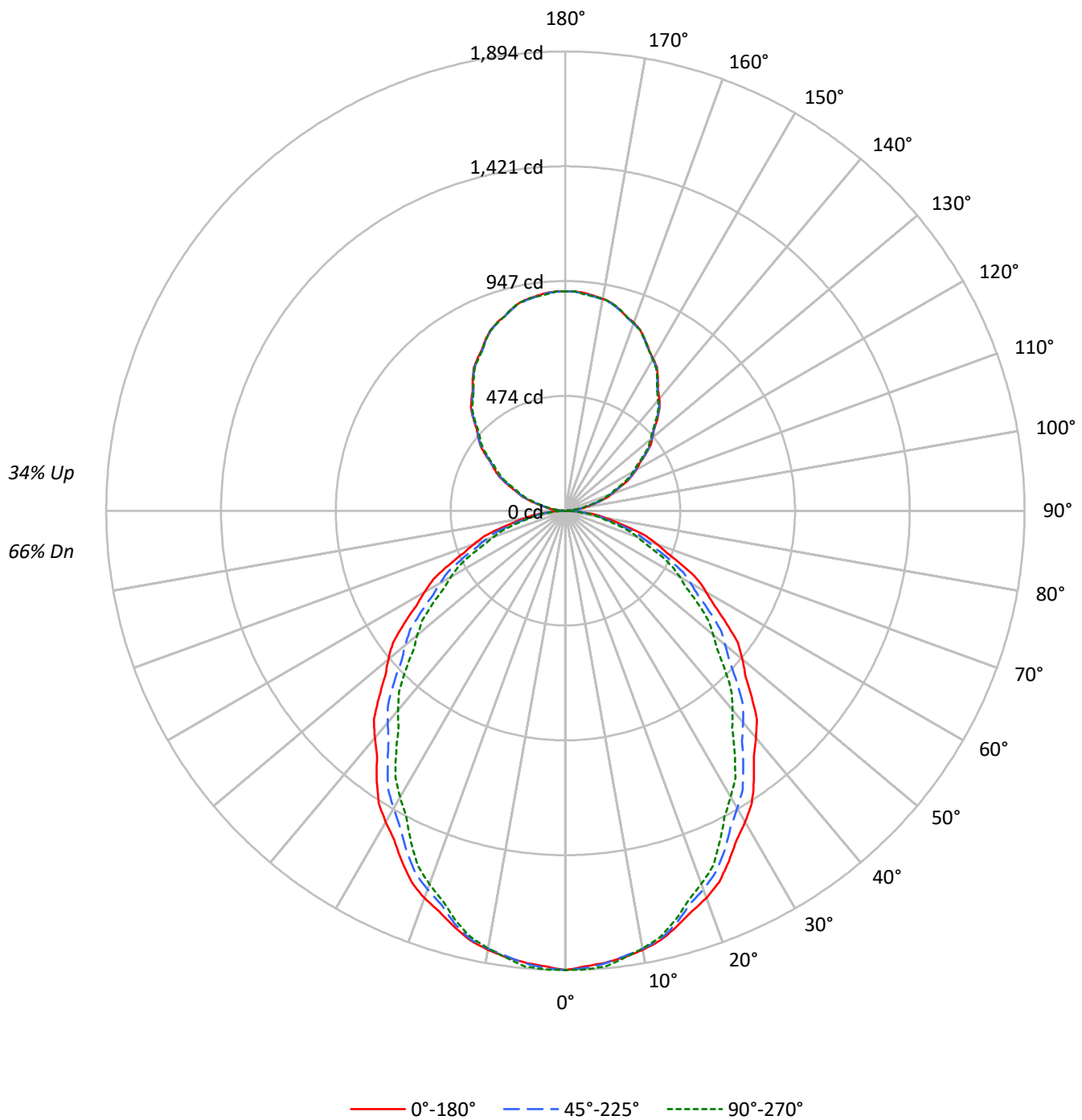
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38
5	71	60	51	45	67	57	49	44	51	45	40	45	40	37	40	36	33
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26
8	57	44	37	31	54	42	35	30	38	32	28	34	29	26	31	27	24
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21
10	50	37	30	25	47	36	29	24	32	27	23	29	25	21	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16497	16497	16497
5°	16357	16382	16496
10°	16264	16225	16213
15°	16006	15901	15771
20°	15754	15405	15190
25°	15331	14899	14481
30°	14907	14250	13710
35°	14418	13585	12937
40°	13900	12960	12202
45°	13380	12309	11486
50°	12910	11673	10788
55°	12332	11011	10130
60°	11671	10382	9473
65°	10969	9683	8818
70°	10193	8902	7977
75°	9273	8052	7224
80°	8295	7056	6545
85°	6375	5795	4786

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13380 cd/sqm

TEST NUMBER: P1057014

CATALOG NUMBER: CB2-D-030U-055D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	2.6
10°-20°	496.6	7.4
20°-30°	714.0	10.6
30°-40°	802.5	11.9
40°-50°	775.2	11.5
50°-60°	655.0	9.7
60°-70°	470.5	7.0
70°-80°	257.1	3.8
80°-90°	68.4	1.0
90°-100°	35.0	0.5
100°-110°	144.2	2.1
110°-120°	261.8	3.9
120°-130°	356.2	5.3
130°-140°	411.2	6.1
140°-150°	414.4	6.2
150°-160°	357.6	5.3
160°-170°	242.3	3.6
170°-180°	85.5	1.3
0°-30°	1388.7	20.6
0°-40°	2191.2	32.6
0°-60°	3621.4	53.8
0°-90°	4417.3	65.7
90°-120°	440.9	6.6
90°-150°	1622.6	24.1
90°-180°	2308.0	34.3
0°-180°	6725.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1871	1897	1874	1874	1887	178
15°	1775	1791	1764	1746	1749	500
25°	1596	1597	1550	1516	1507	734
35°	1356	1341	1278	1228	1217	847
45°	1086	1064	999	947	933	839
55°	812	782	725	680	667	726
65°	532	512	470	436	428	528
75°	276	259	239	220	215	295
85°	64	60	58	51	48	76
90°	0	0	1	0	1	4
95°	34	30	28	22	22	39
105°	143	140	137	129	128	151
115°	271	270	265	258	257	268
125°	403	407	399	390	391	360
135°	537	543	534	525	528	414
145°	666	673	663	655	660	416
155°	779	786	775	770	776	358
165°	860	870	858	854	861	242
175°	902	911	899	894	896	86
180°	905	905	905	905	905	

TEST NUMBER: P1057014

CATALOG NUMBER: CB2-D-030U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.3	1894.3	1894.3	1894.3	1894.3
2.5°	1881.5	1904.2	1887.3	1889.7	1893.1
5°	1871.1	1896.6	1874.0	1874.3	1887.0
7.5°	1857.7	1881.8	1853.4	1848.1	1860.0
10°	1839.2	1863.3	1834.8	1824.9	1833.4
12.5°	1814.8	1837.8	1810.4	1794.7	1802.0
15°	1775.3	1790.9	1763.7	1746.4	1749.2
17.5°	1732.4	1742.1	1702.8	1688.3	1685.4
20°	1699.9	1708.4	1662.2	1641.8	1639.0
22.5°	1658.1	1665.5	1617.0	1591.9	1587.9
25°	1595.5	1596.9	1550.5	1515.5	1507.0
27.5°	1529.9	1525.4	1473.9	1432.5	1421.4
30°	1482.4	1476.7	1417.1	1373.3	1363.4
32.5°	1431.3	1421.1	1361.4	1314.2	1304.2
35°	1356.2	1340.6	1277.8	1228.3	1216.9
37.5°	1276.1	1258.5	1196.9	1142.9	1130.2
40°	1222.7	1202.9	1140.0	1086.1	1073.3
42.5°	1169.3	1147.2	1083.2	1029.2	1015.3
45°	1086.4	1063.7	999.4	946.8	932.6
47.5°	1007.5	978.5	916.1	863.9	849.7
50°	952.9	921.7	861.6	810.5	796.3
52.5°	897.2	864.9	807.0	758.3	744.1
55°	812.2	782.5	725.2	680.0	667.2
57.5°	728.1	699.5	647.2	604.0	591.5
60°	670.1	646.0	596.1	555.3	543.9
62.5°	614.4	592.6	545.1	507.7	496.3
65°	532.3	512.5	469.9	436.4	427.9
67.5°	452.5	432.7	398.3	368.2	358.5
70°	400.3	380.5	349.6	321.8	313.3
72.5°	350.4	329.4	304.3	278.9	272.7
75°	275.6	258.6	239.3	220.3	214.7
77.5°	209.4	193.0	179.0	165.6	164.2
80°	165.4	151.2	140.7	132.0	130.5
82.5°	123.6	112.8	105.9	99.5	99.2
85°	63.8	59.6	58.0	50.7	47.9
87.5°	18.6	18.6	16.4	13.9	14.1
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.5	7.4	6.9	4.5	5.2
95°	33.9	29.7	28.2	21.9	21.9
97.5°	64.0	59.8	57.6	51.1	49.7
100°	85.4	81.3	79.1	72.0	70.6
102.5°	107.4	105.5	101.7	94.0	92.6
105°	142.6	140.5	136.9	129.2	127.8
107.5°	178.7	179.2	173.8	167.4	165.5
110°	204.7	204.0	199.8	193.4	192.0

TEST NUMBER: P1057014

CATALOG NUMBER: CB2-D-030U-055D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	231.3	230.0	225.8	219.4	218.0
115°	271.1	270.4	265.4	257.6	257.0
117.5°	308.9	311.1	305.2	297.0	296.8
120°	336.0	338.8	331.8	324.7	323.3
122.5°	362.6	365.9	358.9	350.7	351.0
125°	403.1	407.2	398.8	390.4	391.1
127.5°	442.2	447.3	439.5	430.9	431.7
130°	468.7	474.9	466.6	457.5	458.8
132.5°	495.8	502.1	493.7	484.0	486.5
135°	537.2	543.4	534.4	524.6	528.0
137.5°	576.2	582.4	572.5	564.3	568.4
140°	602.2	608.4	597.9	590.2	594.4
142.5°	627.6	634.9	623.9	615.7	620.9
145°	665.7	673.3	662.9	655.2	660.0
147.5°	701.8	709.4	698.9	691.5	696.5
150°	725.0	732.6	721.5	715.2	720.7
152.5°	746.4	755.1	743.5	737.3	744.5
155°	778.6	786.2	775.1	770.3	776.5
157.5°	806.6	815.4	804.3	800.2	805.2
160°	825.2	833.5	822.4	818.3	823.8
162.5°	839.3	848.2	837.6	833.0	839.6
165°	860.5	869.5	858.4	853.6	861.2
167.5°	877.2	886.7	875.5	870.6	878.3
170°	887.3	896.3	884.5	879.1	887.3
172.5°	894.1	903.6	891.3	885.8	891.3
175°	901.5	911.1	899.3	893.7	895.8
177.5°	905.0	912.7	903.3	898.4	905.0
180°	905.0	905.0	905.0	905.0	905.0

(END OF REPORT)