

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: P1057017

Luminaire Tested: CB2-D-030U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057017
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-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 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: 9050.5 lumens
Efficiency: N/A
Efficacy: 122.1 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

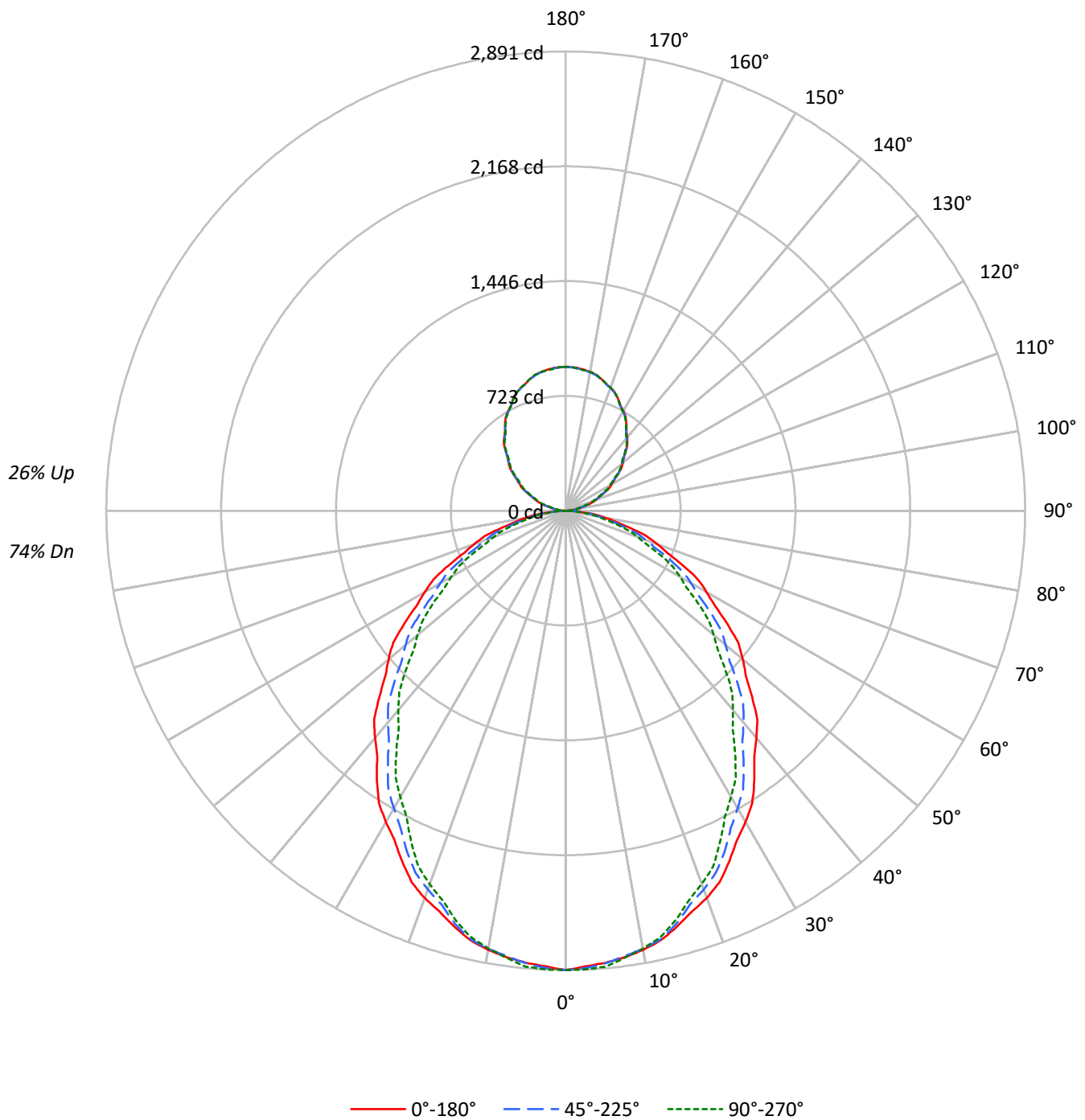
Input Watts (W): 74.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057017

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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79
1	104	99	95	92	98	94	91	88	86	83	80	77	75	73	70	68	67
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49
4	79	68	60	54	75	65	58	52	60	54	49	54	49	45	49	46	42
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37
6	68	55	47	41	64	53	45	40	49	42	37	44	39	35	41	36	33
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24
10	51	39	31	26	49	37	30	26	35	28	24	32	27	23	30	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25179
10°	24825	24766	24746
15°	24431	24272	24072
20°	24047	23514	23185
25°	23401	22742	22103
30°	22752	21751	20927
35°	22007	20736	19748
40°	21217	19782	18625
45°	20422	18787	17533
50°	19706	17817	16467
55°	18824	16808	15462
60°	17814	15848	14460
65°	16743	14781	13458
70°	15558	13587	12176
75°	14152	12292	11026
80°	12658	10772	9995
85°	9732	8853	7304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20422 cd/sqm

TEST NUMBER: P1057017

CATALOG NUMBER: CB2-D-030U-085D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	3.0
10°-20°	757.9	8.4
20°-30°	1089.8	12.0
30°-40°	1224.9	13.5
40°-50°	1183.3	13.1
50°-60°	999.8	11.0
60°-70°	718.1	7.9
70°-80°	392.5	4.3
80°-90°	104.3	1.2
90°-100°	35.0	0.4
100°-110°	144.2	1.6
110°-120°	261.8	2.9
120°-130°	356.2	3.9
130°-140°	411.2	4.5
140°-150°	414.4	4.6
150°-160°	357.6	4.0
160°-170°	242.3	2.7
170°-180°	85.5	0.9
0°-30°	2119.6	23.4
0°-40°	3344.5	37.0
0°-60°	5527.6	61.1
0°-90°	6742.4	74.5
90°-120°	440.9	4.9
90°-150°	1622.6	17.9
90°-180°	2308.0	25.5
0°-180°	9050.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2856	2895	2860	2861	2880	271
15°	2710	2734	2692	2666	2670	764
25°	2435	2438	2367	2313	2300	1121
35°	2070	2046	1950	1875	1858	1293
45°	1658	1624	1525	1445	1424	1281
55°	1240	1194	1107	1038	1018	1108
65°	812	782	717	666	653	806
75°	421	395	365	336	328	450
85°	97	91	89	77	73	116
90°	0	0	1	0	1	5
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: P1057017

CATALOG NUMBER: CB2-D-030U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
2.5°	2871.9	2906.5	2880.8	2884.4	2889.6
5°	2856.0	2894.9	2860.4	2860.8	2880.3
7.5°	2835.6	2872.4	2829.0	2821.0	2839.1
10°	2807.3	2844.1	2800.6	2785.4	2798.4
12.5°	2770.1	2805.1	2763.4	2739.3	2750.6
15°	2709.8	2733.7	2692.1	2665.7	2670.0
17.5°	2644.3	2659.0	2599.1	2576.9	2572.6
20°	2594.7	2607.7	2537.2	2506.1	2501.7
22.5°	2531.0	2542.2	2468.1	2429.9	2423.8
25°	2435.3	2437.5	2366.7	2313.3	2300.3
27.5°	2335.2	2328.3	2249.8	2186.5	2169.6
30°	2262.6	2254.0	2163.0	2096.2	2081.1
32.5°	2184.7	2169.1	2078.0	2005.9	1990.8
35°	2070.0	2046.2	1950.5	1874.8	1857.5
37.5°	1947.8	1921.0	1826.9	1744.6	1725.1
40°	1866.3	1836.0	1740.1	1657.8	1638.3
42.5°	1784.9	1751.1	1653.4	1571.0	1549.7
45°	1658.2	1623.6	1525.4	1445.2	1423.6
47.5°	1537.8	1493.6	1398.3	1318.6	1296.9
50°	1454.5	1406.9	1315.1	1237.1	1215.4
52.5°	1369.5	1320.2	1231.8	1157.4	1135.7
55°	1239.8	1194.3	1107.0	1037.9	1018.4
57.5°	1111.4	1067.7	987.9	921.9	902.8
60°	1022.8	986.0	909.9	847.5	830.2
62.5°	937.8	904.5	832.0	774.9	757.6
65°	812.5	782.2	717.3	666.1	653.1
67.5°	690.7	660.4	607.9	562.0	547.3
70°	611.0	580.7	533.6	491.2	478.2
72.5°	534.9	502.8	464.5	425.7	416.2
75°	420.6	394.7	365.3	336.3	327.7
77.5°	319.7	294.6	273.2	252.8	250.6
80°	252.4	230.7	214.8	201.4	199.3
82.5°	188.6	172.2	161.6	151.9	151.4
85°	97.4	90.9	88.6	77.4	73.1
87.5°	28.3	28.3	24.9	21.3	21.4
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: P1057017

CATALOG NUMBER: CB2-D-030U-085D-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)