

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: P1057035

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057035
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-085U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9035.7 lumens
Efficiency: N/A
Efficacy: 118.9 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-Indirect

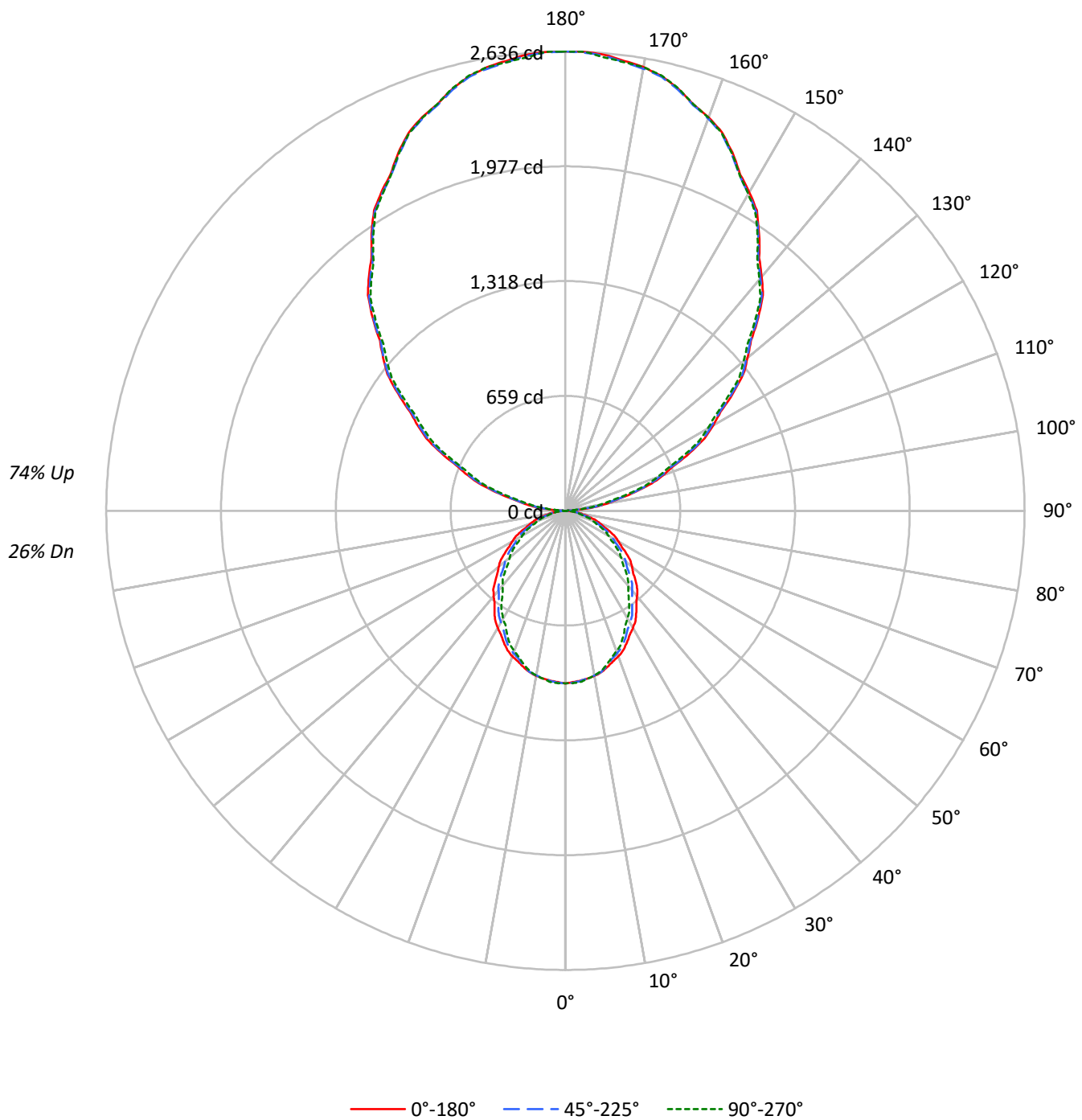
Input Watts (W): 76
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.0
10°-20°	259.9	2.9
20°-30°	373.7	4.1
30°-40°	420.1	4.6
40°-50°	405.8	4.5
50°-60°	342.9	3.8
60°-70°	246.3	2.7
70°-80°	134.6	1.5
80°-90°	35.9	0.4
90°-100°	101.9	1.1
100°-110°	420.0	4.6
110°-120°	762.5	8.4
120°-130°	1037.6	11.5
130°-140°	1197.8	13.3
140°-150°	1207.0	13.4
150°-160°	1041.6	11.5
160°-170°	706.0	7.8
170°-180°	249.0	2.8
0°-30°	726.9	8.0
0°-40°	1147.0	12.7
0°-60°	1895.6	21.0
0°-90°	2312.4	25.6
90°-120°	1284.4	14.2
90°-150°	4726.7	52.3
90°-180°	6723.0	74.4
0°-180°	9035.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	2	0	2	5
95°	99	87	82	64	64	115
105°	415	409	399	376	372	441
115°	790	788	773	750	748	779
125°	1174	1186	1162	1137	1139	1048
135°	1565	1583	1557	1528	1538	1205
145°	1939	1961	1931	1909	1923	1212
155°	2268	2290	2258	2244	2262	1043
165°	2507	2533	2500	2487	2509	706
175°	2626	2654	2620	2604	2610	249
180°	2636	2636	2636	2636	2636	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.9	7.3	7.7
90°	0.0	0.0	2.1	0.0	2.1
92.5°	24.7	21.5	20.2	13.2	15.2
95°	98.7	86.6	82.3	63.7	63.7
97.5°	186.3	174.2	167.8	148.8	144.8
100°	248.8	236.8	230.3	209.7	205.6
102.5°	313.0	307.3	296.1	273.8	269.8
105°	415.4	409.4	398.9	376.2	372.2
107.5°	520.7	521.9	506.3	487.6	482.0
110°	596.3	594.3	582.0	563.4	559.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	673.7	670.0	657.6	639.0	635.0
115°	789.6	787.6	773.2	750.5	748.5
117.5°	899.9	906.3	889.2	865.3	864.5
120°	978.8	986.9	966.5	945.8	941.8
122.5°	1056.1	1065.8	1045.5	1021.6	1022.4
125°	1174.2	1186.2	1161.8	1137.2	1139.2
127.5°	1288.1	1303.0	1280.3	1255.3	1257.7
130°	1365.4	1383.5	1359.3	1332.6	1336.6
132.5°	1444.4	1462.5	1438.2	1410.0	1417.2
135°	1564.9	1583.0	1556.7	1528.1	1538.2
137.5°	1678.4	1696.5	1667.7	1643.7	1655.8
140°	1754.1	1772.2	1741.7	1719.4	1731.5
142.5°	1828.1	1849.4	1817.4	1793.5	1808.8
145°	1939.1	1961.3	1930.9	1908.6	1922.7
147.5°	2044.4	2066.6	2035.8	2014.3	2028.8
150°	2111.9	2134.0	2101.6	2083.5	2099.5
152.5°	2174.4	2199.7	2165.8	2147.7	2168.6
155°	2268.2	2290.3	2257.9	2243.9	2262.0
157.5°	2349.6	2375.3	2343.0	2331.0	2345.5
160°	2403.9	2428.0	2395.7	2383.7	2399.8
162.5°	2445.0	2470.8	2440.1	2426.5	2445.8
165°	2506.7	2532.8	2500.5	2486.6	2508.8
167.5°	2555.2	2583.0	2550.3	2536.0	2558.5
170°	2584.8	2611.0	2576.6	2560.7	2584.8
172.5°	2604.6	2632.3	2596.4	2580.3	2596.4
175°	2626.0	2654.1	2619.8	2603.5	2609.5
177.5°	2636.3	2658.8	2631.3	2617.0	2636.3
180°	2636.3	2636.3	2636.3	2636.3	2636.3

(END OF REPORT)