

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: P1057152

Luminaire Tested: CB3-D-085U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057152
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-085U-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 850 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16320.8 lumens
Efficiency: N/A
Efficacy: 122.6 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

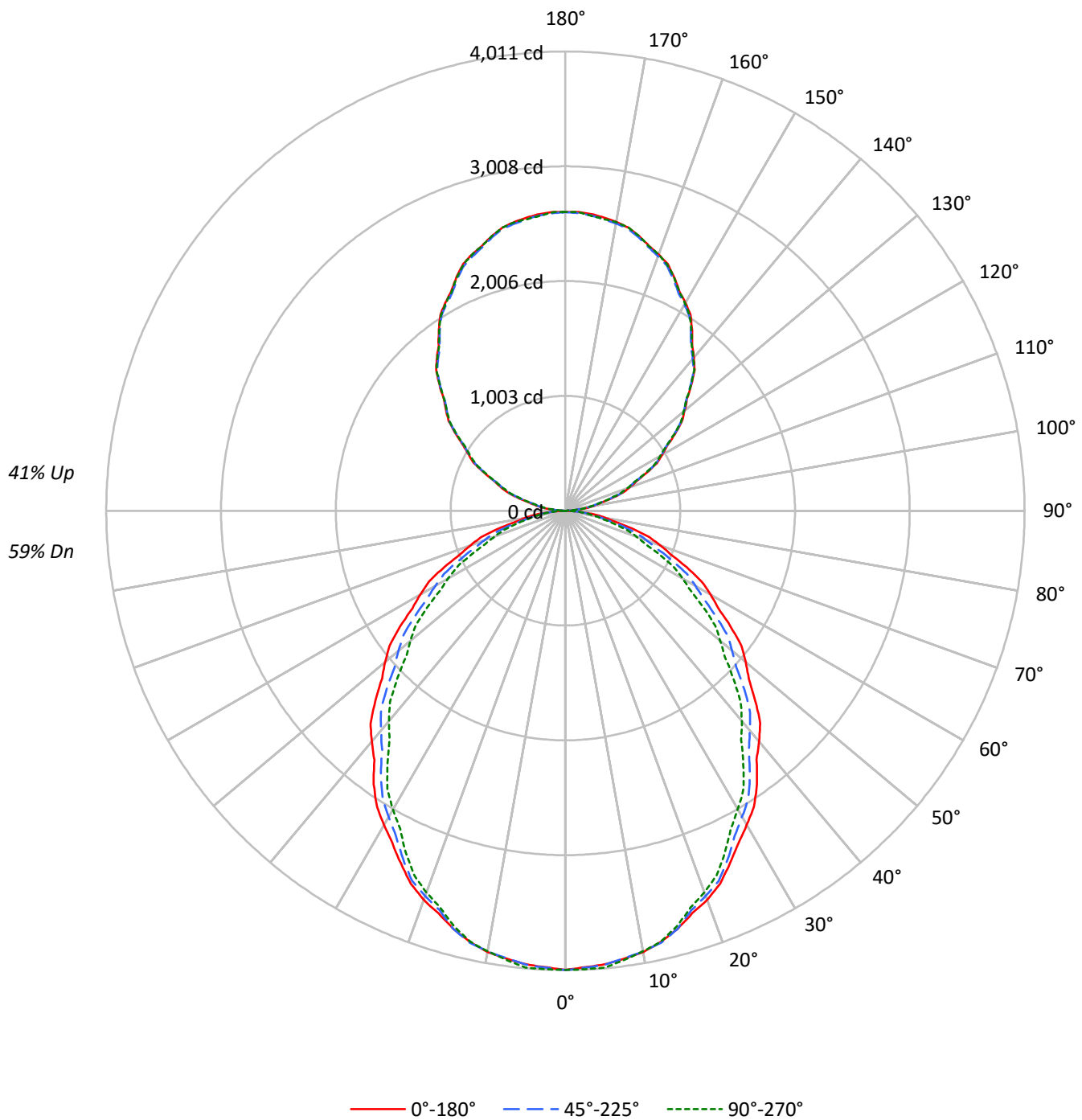
Input Watts (W): 133.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22690	22690	22690
5°	22583	22599	22739
10°	22484	22451	22451
15°	22139	22139	22006
20°	21780	21558	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°	378.4	2.3
10°-20°	1063.2	6.5
20°-30°	1544.1	9.5
30°-40°	1755.3	10.8
40°-50°	1704.0	10.4
50°-60°	1438.6	8.8
60°-70°	1023.5	6.3
70°-80°	546.9	3.4
80°-90°	144.5	0.9
90°-100°	110.2	0.7
100°-110°	431.2	2.6
110°-120°	768.6	4.7
120°-130°	1040.1	6.4
130°-140°	1195.7	7.3
140°-150°	1199.9	7.4
150°-160°	1031.9	6.3
160°-170°	698.5	4.3
170°-180°	246.4	1.5
0°-30°	2985.7	18.3
0°-40°	4740.9	29.0
0°-60°	7883.5	48.3
0°-90°	9598.4	58.8
90°-120°	1310.0	8.0
90°-150°	4745.7	29.1
90°-180°	6722.0	41.2
0°-180°	16320.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4011	4011	4011	4011	4011	
5°	3977	4027	3979	3974	4004	377
15°	3780	3814	3780	3757	3757	1065
25°	3399	3411	3357	3311	3297	1567
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	10
95°	106	96	86	80	82	121
105°	418	416	402	396	392	446
115°	784	788	770	768	766	777
125°	1168	1182	1158	1154	1156	1044
135°	1556	1572	1546	1534	1550	1200
145°	1928	1944	1912	1902	1920	1205
155°	2250	2270	2232	2222	2246	1035
165°	2484	2506	2472	2459	2484	700
175°	2602	2626	2590	2574	2584	247
180°	2608	2608	2608	2608	2608	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4010.7	4010.7	4010.7	4010.7	4010.7
2.5°	3990.2	4030.3	3994.8	3999.5	4008.4
5°	3976.6	4026.7	3979.4	3974.4	4004.2
7.5°	3945.8	3991.5	3942.4	3931.0	3956.1
10°	3913.9	3964.0	3908.2	3894.3	3908.2
12.5°	3857.0	3909.3	3864.9	3841.9	3853.6
15°	3780.1	3813.5	3780.1	3757.3	3757.3
17.5°	3686.2	3721.2	3658.2	3642.2	3635.6
20°	3617.8	3648.4	3580.8	3557.8	3547.5
22.5°	3526.7	3555.1	3498.8	3458.2	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°	28.8	25.7	16.0	12.8	12.8
95°	106.0	96.2	86.0	80.0	82.0
97.5°	195.6	186.2	173.6	167.6	169.2
100°	258.0	250.2	236.0	230.0	230.0
102.5°	318.8	314.1	300.0	294.0	295.6
105°	418.0	416.0	402.0	395.9	392.0
107.5°	527.6	524.1	508.4	507.9	504.4
110°	598.0	596.0	582.0	580.0	578.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	670.0	672.7	657.2	655.2	653.2
115°	784.0	787.9	770.0	768.0	766.0
117.5°	900.8	906.3	887.2	885.1	881.6
120°	976.0	987.7	964.0	962.0	960.0
122.5°	1052.8	1063.0	1040.8	1037.2	1036.8
125°	1168.0	1181.7	1158.0	1154.0	1156.0
127.5°	1283.2	1297.3	1275.2	1267.3	1271.6
130°	1360.0	1375.6	1352.0	1344.1	1350.0
132.5°	1438.4	1454.0	1430.4	1422.6	1431.6
135°	1556.0	1571.6	1546.0	1534.4	1550.0
137.5°	1670.8	1684.5	1656.4	1648.4	1664.8
140°	1746.0	1759.7	1730.0	1720.4	1740.0
142.5°	1819.6	1834.9	1802.0	1792.5	1813.6
145°	1928.0	1943.6	1912.0	1902.4	1920.0
147.5°	2032.0	2048.0	2016.0	2004.8	2022.8
150°	2096.0	2113.6	2080.0	2070.4	2090.0
152.5°	2158.4	2177.6	2142.4	2131.3	2155.6
155°	2250.0	2269.6	2232.0	2222.5	2246.0
157.5°	2332.4	2350.4	2316.4	2306.9	2327.2
160°	2382.0	2401.6	2366.0	2356.5	2380.0
162.5°	2425.2	2444.8	2412.4	2399.7	2423.2
165°	2484.0	2505.5	2472.0	2458.6	2484.0
167.5°	2533.2	2556.3	2520.8	2508.6	2534.0
170°	2562.0	2583.5	2548.0	2532.6	2558.0
172.5°	2581.2	2602.7	2567.2	2551.6	2569.2
175°	2602.0	2625.5	2590.0	2574.2	2584.0
177.5°	2611.2	2630.0	2601.6	2587.7	2609.6
180°	2608.0	2608.0	2608.0	2608.0	2608.0

(END OF REPORT)