

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: P1057153

Luminaire Tested: CB3-D-085U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057153
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16103.2 lumens
Efficiency: N/A
Efficacy: 121.0 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

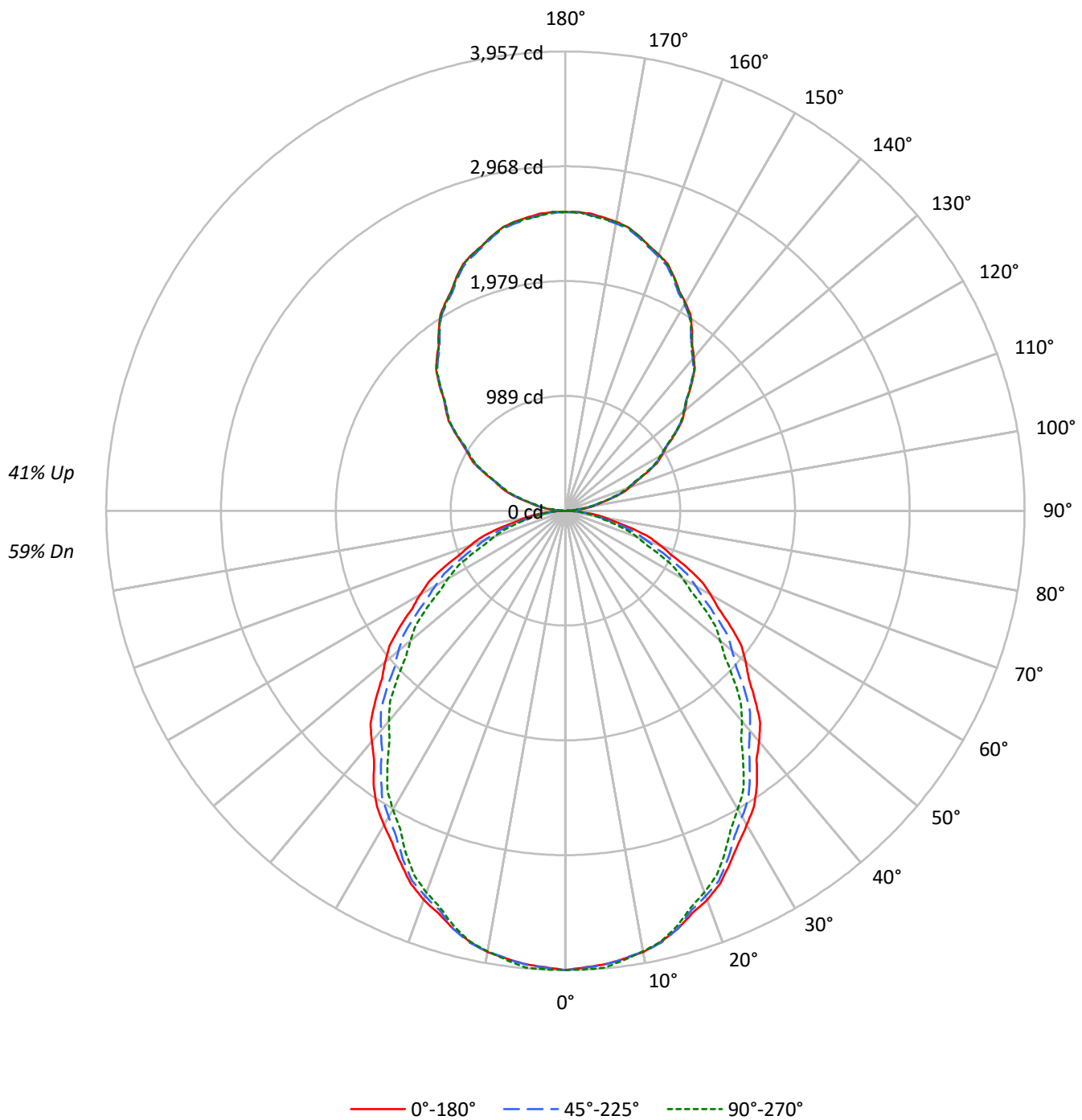
Input Watts (W): 133.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	22388	22388	22388
5°	22281	22298	22436
10°	22184	22152	22152
15°	21844	21844	21713
20°	21490	21271	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.4	2.3
10°-20°	1049.0	6.5
20°-30°	1523.5	9.5
30°-40°	1731.9	10.8
40°-50°	1681.2	10.4
50°-60°	1419.4	8.8
60°-70°	1009.9	6.3
70°-80°	539.6	3.4
80°-90°	142.6	0.9
90°-100°	108.7	0.7
100°-110°	425.5	2.6
110°-120°	758.3	4.7
120°-130°	1026.2	6.4
130°-140°	1179.8	7.3
140°-150°	1183.9	7.4
150°-160°	1018.1	6.3
160°-170°	689.2	4.3
170°-180°	243.1	1.5
0°-30°	2945.9	18.3
0°-40°	4677.7	29.0
0°-60°	7778.4	48.3
0°-90°	9470.4	58.8
90°-120°	1292.5	8.0
90°-150°	4682.4	29.1
90°-180°	6633.0	41.2
0°-180°	16103.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3957	3957	3957	3957	3957	
5°	3924	3973	3926	3921	3951	372
15°	3730	3763	3730	3707	3707	1051
25°	3354	3365	3312	3267	3253	1546
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	9
95°	105	95	85	79	81	119
105°	412	410	397	391	387	440
115°	774	777	760	758	756	767
125°	1152	1166	1143	1139	1141	1030
135°	1535	1551	1525	1514	1529	1184
145°	1902	1918	1886	1877	1894	1189
155°	2220	2239	2202	2193	2216	1021
165°	2451	2472	2439	2426	2451	690
175°	2567	2590	2556	2540	2550	244
180°	2573	2573	2573	2573	2573	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3957.3	3957.3	3957.3	3957.3	3957.3
2.5°	3937.0	3976.6	3941.5	3946.2	3955.0
5°	3923.5	3973.0	3926.4	3921.4	3950.8
7.5°	3893.2	3938.3	3889.8	3878.6	3903.3
10°	3861.7	3911.2	3856.1	3842.4	3856.1
12.5°	3805.6	3857.2	3813.4	3790.7	3802.2
15°	3729.7	3762.7	3729.7	3707.2	3707.2
17.5°	3637.0	3671.6	3609.5	3593.6	3587.2
20°	3569.6	3599.8	3533.1	3510.4	3500.2
22.5°	3479.7	3507.7	3452.2	3412.1	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	28.4	25.3	15.8	12.6	12.6
95°	104.6	94.9	84.9	79.0	80.9
97.5°	193.0	183.7	171.3	165.4	166.9
100°	254.6	246.8	232.9	226.9	226.9
102.5°	314.5	309.9	296.0	290.1	291.7
105°	412.4	410.5	396.6	390.6	386.8
107.5°	520.6	517.1	501.6	501.1	497.7
110°	590.0	588.1	574.2	572.2	570.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	661.1	663.8	648.4	646.4	644.5
115°	773.5	777.4	759.7	757.7	755.8
117.5°	888.8	894.2	875.4	873.3	869.8
120°	963.0	974.6	951.1	949.1	947.2
122.5°	1038.8	1048.8	1026.9	1023.4	1023.0
125°	1152.4	1165.9	1142.6	1138.7	1140.6
127.5°	1266.1	1280.0	1258.2	1250.4	1254.6
130°	1341.9	1357.3	1334.0	1326.2	1332.0
132.5°	1419.2	1434.7	1411.3	1403.6	1412.5
135°	1535.3	1550.7	1525.4	1513.9	1529.3
137.5°	1648.5	1662.0	1634.3	1626.4	1642.6
140°	1722.7	1736.2	1706.9	1697.5	1716.8
142.5°	1795.3	1810.4	1778.0	1768.6	1789.4
145°	1902.3	1917.7	1886.5	1877.0	1894.4
147.5°	2004.9	2020.7	1989.1	1978.1	1995.8
150°	2068.1	2085.4	2052.3	2042.8	2062.1
152.5°	2129.6	2148.5	2113.8	2102.9	2126.9
155°	2220.0	2239.3	2202.2	2192.9	2216.1
157.5°	2301.3	2319.1	2285.5	2276.1	2296.2
160°	2350.2	2369.5	2334.5	2325.1	2348.3
162.5°	2392.9	2412.2	2380.2	2367.7	2390.9
165°	2450.9	2472.1	2439.0	2425.8	2450.9
167.5°	2499.4	2522.2	2487.2	2475.1	2500.2
170°	2527.8	2549.1	2514.0	2498.8	2523.9
172.5°	2546.8	2568.0	2533.0	2517.6	2534.9
175°	2567.3	2590.5	2555.5	2539.9	2549.6
177.5°	2576.4	2594.9	2566.9	2553.2	2574.8
180°	2573.2	2573.2	2573.2	2573.2	2573.2

(END OF REPORT)