

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: P1057054

Luminaire Tested: CB2-D-125U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057054
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-125U-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16613.0 lumens
Efficiency: N/A
Efficacy: 109.5 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: General Diffuse

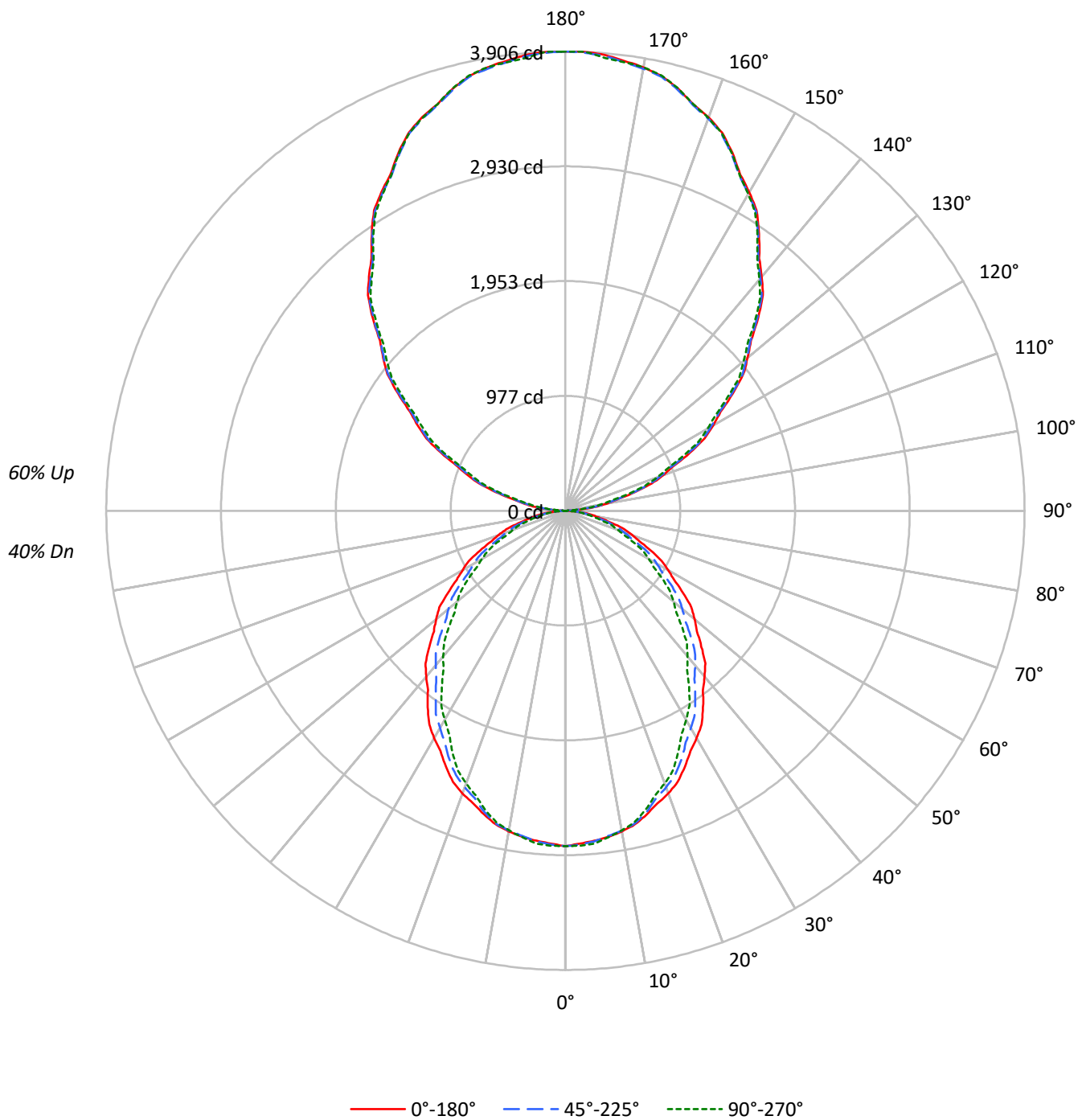
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	32	25	21	27	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24844	24844	24844
5°	24634	24672	24844
10°	24493	24436	24416
15°	24106	23948	23751
20°	23726	23200	22876
25°	23089	22438	21808
30°	22450	21461	20648
35°	21713	20460	19484
40°	20935	19518	18377
45°	20150	18537	17299
50°	19444	17579	16247
55°	18573	16583	15256
60°	17578	15637	14268
65°	16520	14583	13279
70°	15351	13403	12013
75°	13964	12127	10878
80°	12488	10627	9860
85°	9602	8733	7204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.3	1.6
10°-20°	747.8	4.5
20°-30°	1075.3	6.5
30°-40°	1208.6	7.3
40°-50°	1167.5	7.0
50°-60°	986.4	5.9
60°-70°	708.5	4.3
70°-80°	387.3	2.3
80°-90°	103.1	0.6
90°-100°	150.9	0.9
100°-110°	622.2	3.7
110°-120°	1129.6	6.8
120°-130°	1537.1	9.3
130°-140°	1774.4	10.7
140°-150°	1788.1	10.8
150°-160°	1543.1	9.3
160°-170°	1045.9	6.3
170°-180°	368.9	2.2
0°-30°	2091.4	12.6
0°-40°	3300.0	19.9
0°-60°	5453.9	32.8
0°-90°	6652.8	40.0
90°-120°	1902.7	11.5
90°-150°	7002.4	42.1
90°-180°	9960.0	60.0
0°-180°	16613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2853	2853	2853	2853	2853	
5°	2818	2856	2822	2823	2842	268
15°	2674	2697	2656	2630	2634	754
25°	2403	2405	2335	2282	2270	1106
35°	2042	2019	1924	1850	1833	1276
45°	1636	1602	1505	1426	1405	1264
55°	1223	1178	1092	1024	1005	1094
65°	802	772	708	657	644	795
75°	415	389	360	332	323	444
85°	96	90	87	76	72	114
90°	0	0	3	0	3	9
95°	146	128	122	94	94	170
105°	615	606	591	557	551	653
115°	1170	1167	1145	1112	1109	1154
125°	1740	1757	1721	1685	1688	1553
135°	2318	2345	2306	2264	2279	1785
145°	2873	2906	2861	2828	2848	1795
155°	3360	3393	3345	3324	3351	1545
165°	3714	3752	3704	3684	3717	1046
175°	3890	3932	3881	3857	3866	369
180°	3906	3906	3906	3906	3906	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2852.8	2852.8	2852.8	2852.8	2852.8
2.5°	2833.6	2867.8	2842.4	2846.0	2851.1
5°	2817.9	2856.3	2822.3	2822.7	2841.9
7.5°	2797.8	2834.1	2791.2	2783.3	2801.3
10°	2769.8	2806.1	2763.3	2748.3	2761.1
12.5°	2733.1	2767.7	2726.6	2702.8	2713.9
15°	2673.7	2697.2	2656.2	2630.1	2634.4
17.5°	2609.1	2623.6	2564.5	2542.6	2538.3
20°	2560.1	2572.9	2503.3	2472.7	2468.4
22.5°	2497.2	2508.3	2435.2	2397.5	2391.5
25°	2402.9	2405.0	2335.1	2282.4	2269.6
27.5°	2304.1	2297.3	2219.8	2157.4	2140.7
30°	2232.5	2223.9	2134.2	2068.3	2053.3
32.5°	2155.6	2140.2	2050.3	1979.2	1964.2
35°	2042.4	2018.9	1924.5	1849.8	1832.7
37.5°	1921.8	1895.4	1802.6	1721.3	1702.1
40°	1841.5	1811.6	1716.9	1635.7	1616.5
42.5°	1761.1	1727.8	1631.3	1550.0	1529.1
45°	1636.1	1601.9	1505.1	1425.9	1404.6
47.5°	1517.3	1473.7	1379.7	1301.0	1279.6
50°	1435.2	1388.2	1297.5	1220.6	1199.2
52.5°	1351.3	1302.6	1215.4	1142.0	1120.6
55°	1223.3	1178.4	1092.2	1024.1	1004.8
57.5°	1096.6	1053.4	974.7	909.6	890.8
60°	1009.2	972.9	897.8	836.2	819.2
62.5°	925.3	892.4	820.9	764.6	747.5
65°	801.7	771.8	707.7	657.2	644.4
67.5°	681.5	651.6	599.8	554.5	540.0
70°	602.9	573.0	526.4	484.6	471.8
72.5°	527.8	496.1	458.3	420.1	410.7
75°	415.0	389.4	360.4	331.8	323.3
77.5°	315.4	290.7	269.6	249.4	247.3
80°	249.0	227.7	211.9	198.7	196.6
82.5°	186.1	169.9	159.5	149.8	149.4
85°	96.1	89.7	87.4	76.4	72.1
87.5°	28.0	28.0	25.1	21.0	21.6
90°	0.0	0.0	3.0	0.1	3.0
92.5°	36.6	31.8	29.9	19.6	22.5
95°	146.2	128.4	121.9	94.4	94.4
97.5°	276.0	258.1	248.6	220.4	214.5
100°	368.6	350.7	341.2	310.6	304.6
102.5°	463.7	455.3	438.7	405.6	399.7
105°	615.4	606.4	591.0	557.4	551.4
107.5°	771.4	773.1	750.0	722.4	714.1
110°	883.5	880.5	862.1	834.6	828.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	998.0	992.6	974.2	946.7	940.7
115°	1169.8	1166.8	1145.4	1111.9	1108.9
117.5°	1333.1	1342.6	1317.3	1281.9	1280.7
120°	1450.1	1462.0	1431.8	1401.2	1395.3
122.5°	1564.6	1578.9	1548.8	1513.5	1514.7
125°	1739.5	1757.4	1721.2	1684.7	1687.7
127.5°	1908.3	1930.3	1896.7	1859.6	1863.2
130°	2022.8	2049.6	2013.7	1974.2	1980.2
132.5°	2139.8	2166.6	2130.7	2088.9	2099.6
135°	2318.3	2345.1	2306.1	2263.8	2278.7
137.5°	2486.5	2513.3	2470.6	2435.1	2453.0
140°	2598.6	2625.4	2580.3	2547.2	2565.1
142.5°	2708.3	2739.8	2692.4	2657.0	2679.6
145°	2872.8	2905.5	2860.6	2827.5	2848.4
147.5°	3028.7	3061.5	3015.9	2984.1	3005.6
150°	3128.7	3161.4	3113.4	3086.6	3110.4
152.5°	3221.3	3258.8	3208.5	3181.8	3212.7
155°	3360.2	3393.0	3345.0	3324.2	3351.0
157.5°	3480.8	3519.0	3471.1	3453.3	3474.7
160°	3561.3	3597.0	3549.1	3531.3	3555.2
162.5°	3622.2	3660.3	3614.9	3594.8	3623.4
165°	3713.6	3752.3	3704.4	3683.9	3716.6
167.5°	3785.5	3826.6	3778.2	3757.0	3790.3
170°	3829.3	3868.1	3817.2	3793.6	3829.3
172.5°	3858.6	3899.7	3846.4	3822.6	3846.4
175°	3890.3	3932.0	3881.1	3857.0	3865.9
177.5°	3905.5	3938.9	3898.2	3876.9	3905.5
180°	3905.5	3905.5	3905.5	3905.5	3905.5

(END OF REPORT)