

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: P1057151

Luminaire Tested: CB3-D-085U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057151
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14959.2 lumens
Efficiency: N/A
Efficacy: 112.4 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

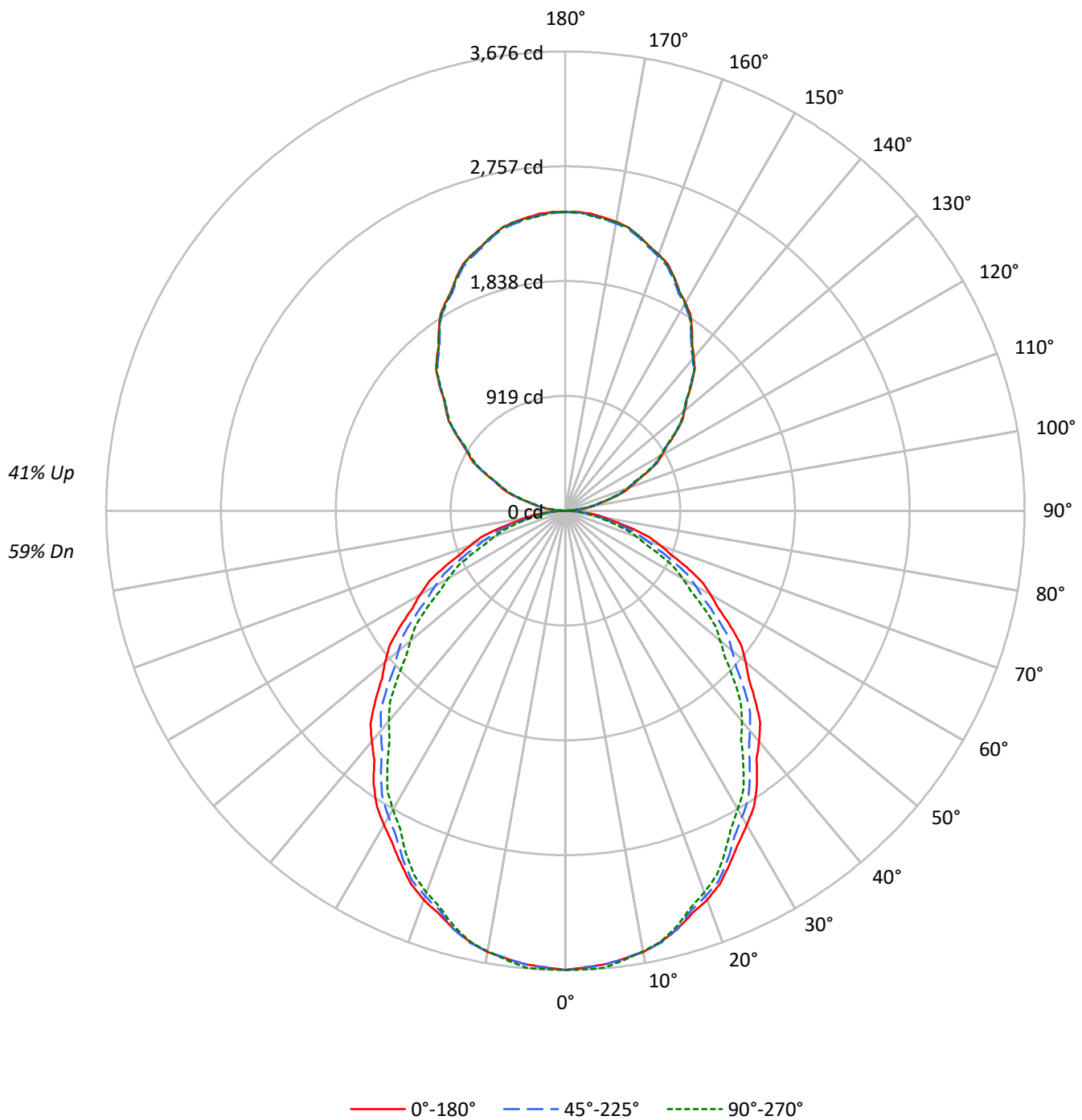
Input Watts (W): 133.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	20797	20797	20797
5°	20698	20713	20842
10°	20608	20578	20578
15°	20292	20292	20170
20°	19964	19759	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.9	2.3
10°-20°	974.5	6.5
20°-30°	1415.2	9.5
30°-40°	1608.8	10.8
40°-50°	1561.8	10.4
50°-60°	1318.6	8.8
60°-70°	938.2	6.3
70°-80°	501.2	3.4
80°-90°	132.4	0.9
90°-100°	101.0	0.7
100°-110°	395.2	2.6
110°-120°	704.5	4.7
120°-130°	953.3	6.4
130°-140°	1096.0	7.3
140°-150°	1099.8	7.4
150°-160°	945.8	6.3
160°-170°	640.2	4.3
170°-180°	225.8	1.5
0°-30°	2736.6	18.3
0°-40°	4345.4	29.0
0°-60°	7225.7	48.3
0°-90°	8797.6	58.8
90°-120°	1200.7	8.0
90°-150°	4349.8	29.1
90°-180°	6162.0	41.2
0°-180°	14959.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3676	3676	3676	3676	3676	
5°	3645	3691	3647	3643	3670	346
15°	3465	3495	3465	3444	3444	976
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	0	0	9
95°	97	88	79	73	75	111
105°	383	381	368	363	359	409
115°	719	722	706	704	702	712
125°	1071	1083	1061	1058	1060	957
135°	1426	1440	1417	1406	1421	1099
145°	1767	1782	1752	1744	1760	1104
155°	2062	2080	2046	2037	2059	949
165°	2277	2296	2266	2254	2277	641
175°	2385	2406	2374	2360	2368	226
180°	2390	2390	2390	2390	2390	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3676.1	3676.1	3676.1	3676.1	3676.1
2.5°	3657.3	3694.1	3661.5	3665.9	3674.0
5°	3644.8	3690.7	3647.4	3642.8	3670.1
7.5°	3616.6	3658.5	3613.5	3603.0	3626.0
10°	3587.4	3633.3	3582.2	3569.4	3582.2
12.5°	3535.2	3583.2	3542.5	3521.3	3532.1
15°	3464.7	3495.3	3464.7	3443.9	3443.9
17.5°	3378.6	3410.8	3353.0	3338.3	3332.3
20°	3316.0	3344.1	3282.1	3261.0	3251.5
22.5°	3232.5	3258.5	3206.9	3169.7	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	26.4	23.5	14.7	11.7	11.7
95°	97.2	88.2	78.8	73.4	75.2
97.5°	179.3	170.7	159.1	153.6	155.1
100°	236.5	229.3	216.3	210.8	210.8
102.5°	292.2	287.9	275.0	269.5	270.9
105°	383.1	381.3	368.5	362.9	359.3
107.5°	483.6	480.4	466.0	465.5	462.3
110°	548.1	546.3	533.4	531.6	529.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	614.1	616.6	602.4	600.5	598.7
115°	718.6	722.2	705.8	703.9	702.1
117.5°	825.6	830.7	813.2	811.3	808.0
120°	894.6	905.3	883.6	881.7	879.9
122.5°	965.0	974.3	954.0	950.7	950.3
125°	1070.6	1083.1	1061.4	1057.8	1059.6
127.5°	1176.1	1189.0	1168.8	1161.6	1165.5
130°	1246.5	1260.9	1239.2	1232.0	1237.4
132.5°	1318.4	1332.7	1311.1	1303.9	1312.2
135°	1426.2	1440.5	1417.0	1406.3	1420.7
137.5°	1531.4	1543.9	1518.2	1510.8	1525.9
140°	1600.3	1612.9	1585.7	1576.9	1594.8
142.5°	1667.8	1681.8	1651.7	1642.9	1662.3
145°	1767.1	1781.5	1752.5	1743.7	1759.8
147.5°	1862.5	1877.2	1847.8	1837.5	1854.0
150°	1921.1	1937.3	1906.5	1897.7	1915.6
152.5°	1978.3	1995.9	1963.7	1953.5	1975.8
155°	2062.3	2080.2	2045.8	2037.1	2058.6
157.5°	2137.8	2154.3	2123.1	2114.4	2133.0
160°	2183.3	2201.2	2168.6	2159.9	2181.4
162.5°	2222.9	2240.8	2211.1	2199.5	2221.0
165°	2276.8	2296.5	2265.8	2253.5	2276.8
167.5°	2321.9	2343.0	2310.5	2299.3	2322.6
170°	2348.2	2368.0	2335.4	2321.3	2344.6
172.5°	2365.8	2385.6	2353.0	2338.7	2354.8
175°	2384.9	2406.4	2373.9	2359.5	2368.4
177.5°	2393.3	2410.6	2384.5	2371.8	2391.9
180°	2390.4	2390.4	2390.4	2390.4	2390.4

(END OF REPORT)