

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: P1057125

Luminaire Tested: CB3-D-030U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057125
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-030U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9049.9 lumens
Efficiency: N/A
Efficacy: 129.5 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: Semi-Direct

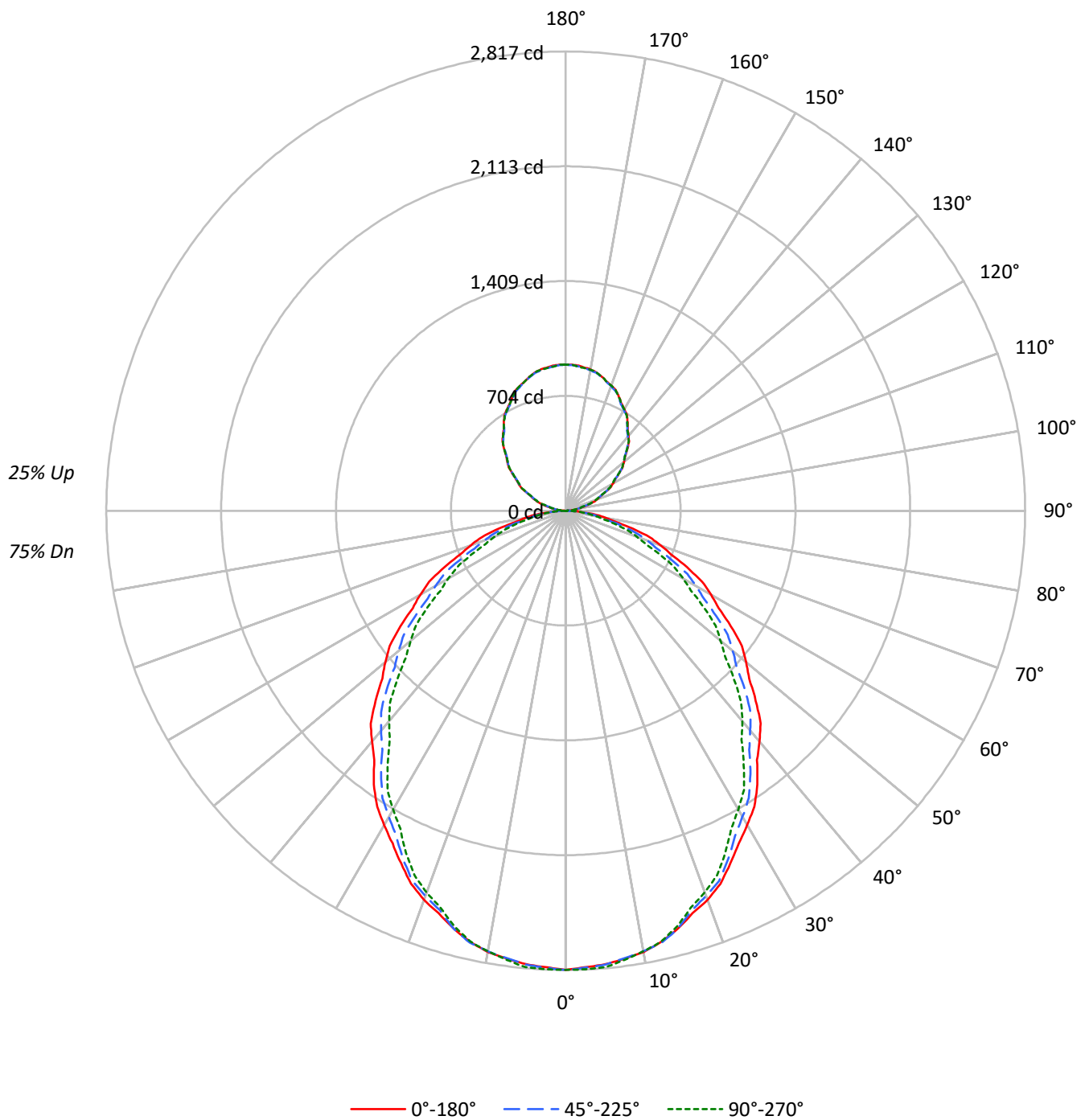
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	70	68	67
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49
4	79	68	60	54	75	65	58	52	60	53	49	54	49	45	49	45	42
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	41	36	33
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15935	15935	15935
5°	15859	15871	15966
10°	15790	15767	15767
15°	15548	15548	15454
20°	15296	15139	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 13185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	2.9
10°-20°	746.6	8.3
20°-30°	1084.6	12.0
30°-40°	1233.0	13.6
40°-50°	1197.0	13.2
50°-60°	1010.6	11.2
60°-70°	719.0	7.9
70°-80°	384.2	4.2
80°-90°	101.5	1.1
90°-100°	37.8	0.4
100°-110°	148.0	1.6
110°-120°	263.8	2.9
120°-130°	357.0	3.9
130°-140°	410.5	4.5
140°-150°	411.9	4.6
150°-160°	354.2	3.9
160°-170°	239.8	2.6
170°-180°	84.6	0.9
0°-30°	2097.0	23.2
0°-40°	3330.0	36.8
0°-60°	5537.6	61.2
0°-90°	6742.2	74.5
90°-120°	449.7	5.0
90°-150°	1629.1	18.0
90°-180°	2308.0	25.5
0°-180°	9049.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2817	2817	2817	2817	2817	
5°	2793	2828	2795	2791	2811	265
15°	2655	2678	2655	2639	2639	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	0	0	5
95°	36	33	30	28	28	42
105°	144	143	138	136	135	153
115°	269	270	264	264	263	267
125°	401	406	398	396	397	359
135°	534	540	531	527	532	412
145°	662	667	656	653	659	414
155°	772	779	766	763	771	355
165°	853	860	849	844	853	240
175°	893	901	889	884	887	85
180°	895	895	895	895	895	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2816.7	2816.7	2816.7	2816.7	2816.7
2.5°	2802.3	2830.4	2805.5	2808.8	2815.1
5°	2792.7	2827.9	2794.7	2791.1	2811.4
7.5°	2771.1	2803.2	2768.7	2760.7	2778.3
10°	2748.7	2783.9	2744.7	2734.9	2744.7
12.5°	2708.7	2745.4	2714.3	2698.1	2706.3
15°	2654.7	2678.2	2654.7	2638.7	2638.7
17.5°	2588.7	2613.3	2569.1	2557.8	2553.3
20°	2540.7	2562.2	2514.7	2498.5	2492.0
22.5°	2476.7	2496.6	2457.1	2429.2	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.4	33.0	29.5	27.5	28.1
97.5°	67.1	63.9	59.6	57.5	58.1
100°	88.6	85.9	81.0	79.0	79.0
102.5°	109.4	107.8	103.0	100.9	101.5
105°	143.5	142.8	138.0	135.9	134.6
107.5°	181.1	179.9	174.5	174.4	173.2
110°	205.3	204.6	199.8	199.1	198.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	230.0	230.9	225.6	224.9	224.2
115°	269.1	270.5	264.3	263.6	263.0
117.5°	309.2	311.1	304.6	303.8	302.6
120°	335.0	339.1	330.9	330.2	329.6
122.5°	361.4	364.9	357.3	356.1	355.9
125°	401.0	405.7	397.5	396.2	396.8
127.5°	440.5	445.3	437.8	435.0	436.5
130°	466.9	472.2	464.1	461.4	463.4
132.5°	493.8	499.2	491.0	488.4	491.4
135°	534.2	539.5	530.7	526.7	532.1
137.5°	573.6	578.3	568.6	565.9	571.5
140°	599.4	604.1	593.9	590.6	597.3
142.5°	624.6	629.9	618.6	615.3	622.6
145°	661.9	667.2	656.4	653.1	659.1
147.5°	697.6	703.1	692.1	688.2	694.4
150°	719.5	725.6	714.0	710.8	717.5
152.5°	740.9	747.5	735.5	731.7	740.0
155°	772.4	779.1	766.2	763.0	771.0
157.5°	800.7	806.9	795.2	791.9	798.9
160°	817.7	824.4	812.2	809.0	817.0
162.5°	832.5	839.3	828.1	823.8	831.9
165°	852.7	860.1	848.6	844.0	852.7
167.5°	869.6	877.5	865.4	861.2	869.9
170°	879.5	886.9	874.7	869.4	878.1
172.5°	886.1	893.5	881.3	875.9	882.0
175°	893.2	901.3	889.1	883.7	887.1
177.5°	896.4	902.8	893.1	888.3	895.8
180°	895.3	895.3	895.3	895.3	895.3

(END OF REPORT)