

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: P1057131

Luminaire Tested: CB3-D-055U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057131
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-055U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6767.8 lumens
Efficiency: N/A
Efficacy: 127.2 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-Indirect

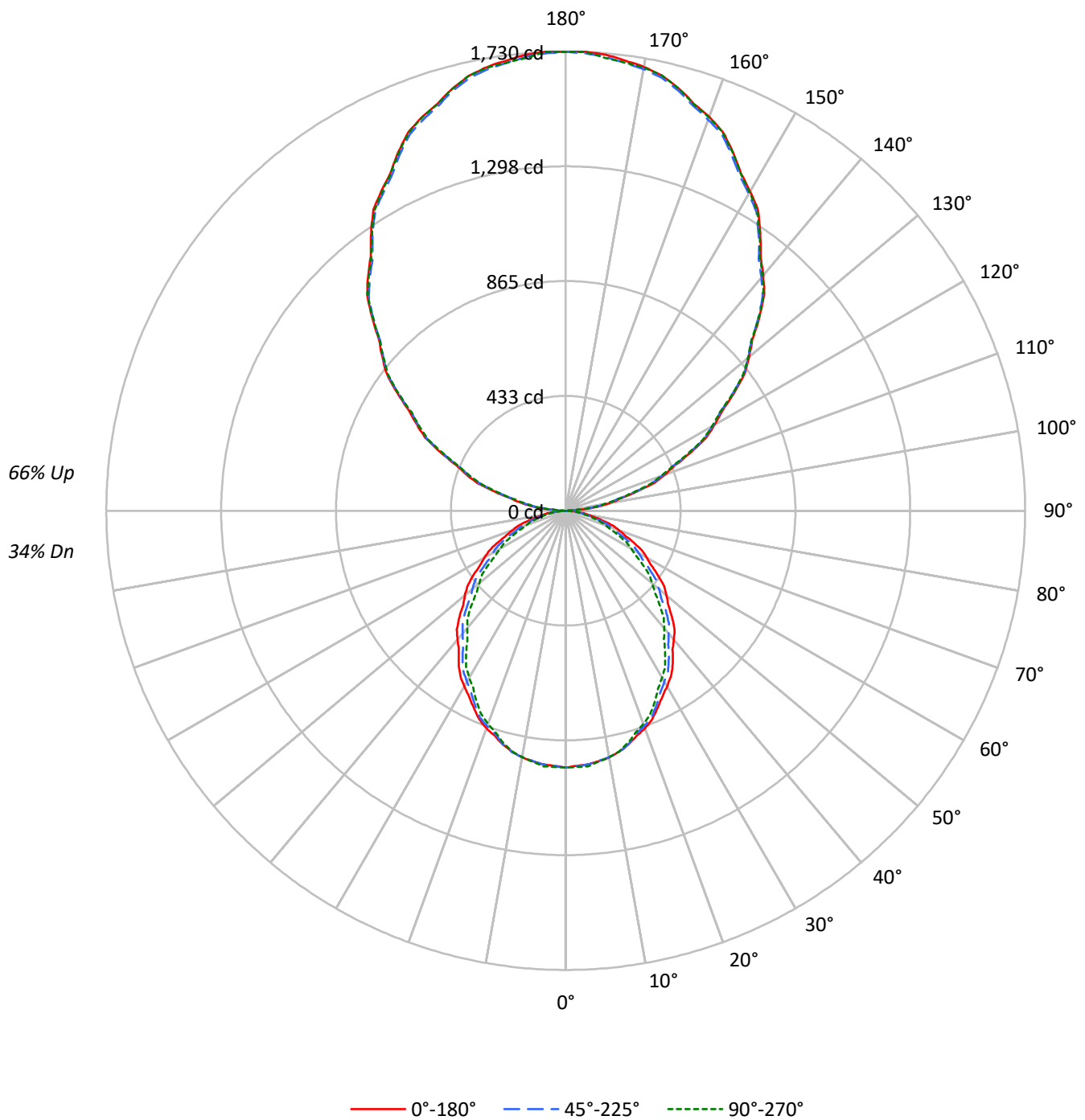
Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	14	12
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5471	5471	5471
5°	5445	5449	5488
10°	5421	5414	5414
15°	5339	5339	5306
20°	5252	5199	5145
25°	5112	5048	4958
30°	4987	4857	4741
35°	4855	4676	4510
40°	4681	4458	4265
45°	4522	4264	4000
50°	4358	4033	3742
55°	4181	3809	3497
60°	3988	3578	3220
65°	3764	3314	2929
70°	3505	3007	2610
75°	3178	2638	2324
80°	2769	2212	2056
85°	2136	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.3
10°-20°	256.4	3.8
20°-30°	372.1	5.5
30°-40°	422.9	6.2
40°-50°	410.5	6.1
50°-60°	346.6	5.1
60°-70°	246.6	3.6
70°-80°	131.7	1.9
80°-90°	34.8	0.5
90°-100°	73.0	1.1
100°-110°	285.8	4.2
110°-120°	509.4	7.5
120°-130°	689.3	10.2
130°-140°	792.4	11.7
140°-150°	795.2	11.7
150°-160°	683.8	10.1
160°-170°	462.9	6.8
170°-180°	163.3	2.4
0°-30°	719.7	10.6
0°-40°	1142.5	16.9
0°-60°	1899.6	28.1
0°-90°	2312.7	34.2
90°-120°	868.2	12.8
90°-150°	3145.1	46.5
90°-180°	4455.0	65.8
0°-180°	6767.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	967	967	967	967	967	
5°	959	971	960	958	966	91
15°	912	920	912	906	906	257
25°	819	822	809	798	794	378
35°	703	696	677	657	653	438
45°	565	556	533	507	500	436
55°	424	412	386	361	355	379
65°	281	271	248	226	219	279
75°	145	137	121	108	106	155
85°	33	30	29	29	29	39
90°	0	0	0	0	0	4
95°	70	64	57	53	54	80
105°	277	276	266	262	260	296
115°	520	522	510	509	508	515
125°	774	783	767	765	766	692
135°	1031	1042	1025	1017	1027	795
145°	1278	1288	1267	1261	1272	798
155°	1491	1504	1479	1473	1488	686
165°	1646	1660	1638	1629	1646	464
175°	1724	1740	1716	1706	1712	164
180°	1728	1728	1728	1728	1728	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	967.1	967.1	967.1	967.1	967.1
2.5°	962.1	971.8	963.2	964.4	966.5
5°	958.8	970.9	959.5	958.3	966.3
7.5°	951.4	962.4	950.6	947.8	953.9
10°	943.7	955.8	942.4	939.0	942.4
12.5°	930.0	942.6	931.9	926.4	929.2
15°	911.5	919.5	911.5	906.0	906.0
17.5°	888.9	897.3	882.1	878.3	876.5
20°	872.4	879.8	863.5	857.9	854.6
22.5°	850.5	857.3	843.7	833.3	830.5
25°	818.9	821.6	808.7	797.6	794.3
27.5°	788.6	789.3	771.5	758.1	753.7
30°	763.4	764.1	743.5	729.0	725.7
32.5°	738.2	736.1	716.6	699.4	697.1
35°	703.0	696.3	677.0	657.0	653.0
37.5°	660.6	656.6	633.8	613.7	607.7
40°	633.8	627.1	603.6	583.6	577.5
42.5°	606.9	599.1	575.0	552.8	546.2
45°	565.2	556.5	532.9	507.4	500.0
47.5°	523.2	513.7	487.8	463.1	454.9
50°	495.2	485.2	458.2	434.0	425.2
52.5°	466.7	456.1	429.1	404.4	397.3
55°	423.9	412.5	386.2	361.3	354.6
57.5°	381.1	369.8	343.6	320.1	312.1
60°	352.5	341.8	316.2	292.7	284.6
62.5°	323.5	313.3	288.2	265.3	257.8
65°	281.2	271.2	247.6	225.5	218.8
67.5°	239.4	230.8	207.5	187.3	181.9
70°	211.9	203.9	181.8	163.1	157.8
72.5°	185.6	177.0	156.0	140.1	136.4
75°	145.4	137.4	120.7	108.3	106.3
77.5°	108.6	102.1	87.7	80.6	79.6
80°	85.0	79.0	67.9	63.1	63.1
82.5°	63.1	58.1	50.9	48.8	48.8
85°	32.9	30.2	28.8	28.8	28.8
87.5°	9.9	9.9	9.3	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.1	17.0	10.6	8.5	8.5
95°	70.2	63.8	57.0	53.0	54.3
97.5°	129.6	123.4	115.0	111.1	112.1
100°	171.0	165.8	156.4	152.4	152.4
102.5°	211.3	208.2	198.8	194.9	195.9
105°	277.0	275.7	266.4	262.4	259.8
107.5°	349.7	347.3	336.9	336.6	334.3
110°	396.3	395.0	385.7	384.3	383.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	444.0	445.8	435.5	434.2	432.9
115°	519.6	522.2	510.3	508.9	507.6
117.5°	597.0	600.6	588.0	586.6	584.3
120°	646.8	654.6	638.9	637.5	636.2
122.5°	697.7	704.4	689.8	687.4	687.1
125°	774.1	783.1	767.4	764.8	766.1
127.5°	850.4	859.7	845.1	839.9	842.7
130°	901.3	911.7	896.0	890.8	894.7
132.5°	953.3	963.6	948.0	942.8	948.7
135°	1031.2	1041.6	1024.6	1016.8	1027.2
137.5°	1107.3	1116.3	1097.7	1092.4	1103.3
140°	1157.1	1166.2	1146.5	1140.2	1153.1
142.5°	1205.9	1216.0	1194.2	1187.9	1201.9
145°	1277.7	1288.1	1267.1	1260.8	1272.4
147.5°	1346.6	1357.3	1336.0	1328.6	1340.5
150°	1389.1	1400.7	1378.5	1372.1	1385.1
152.5°	1430.4	1443.1	1419.8	1412.5	1428.6
155°	1491.1	1504.1	1479.2	1472.9	1488.5
157.5°	1545.7	1557.6	1535.1	1528.8	1542.3
160°	1578.6	1591.6	1568.0	1561.7	1577.3
162.5°	1607.2	1620.2	1598.7	1590.3	1605.9
165°	1646.2	1660.5	1638.2	1629.3	1646.2
167.5°	1678.8	1694.1	1670.6	1662.5	1679.3
170°	1697.9	1712.1	1688.6	1678.4	1695.2
172.5°	1710.6	1724.9	1701.3	1691.0	1702.7
175°	1724.4	1739.9	1716.4	1706.0	1712.5
177.5°	1730.5	1742.9	1724.1	1714.9	1729.4
180°	1728.4	1728.4	1728.4	1728.4	1728.4

(END OF REPORT)