

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: P1057140

Luminaire Tested: CB3-D-055U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057140
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 14053.2 lumens
Efficiency: N/A
Efficacy: 124.0 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: Semi-Direct

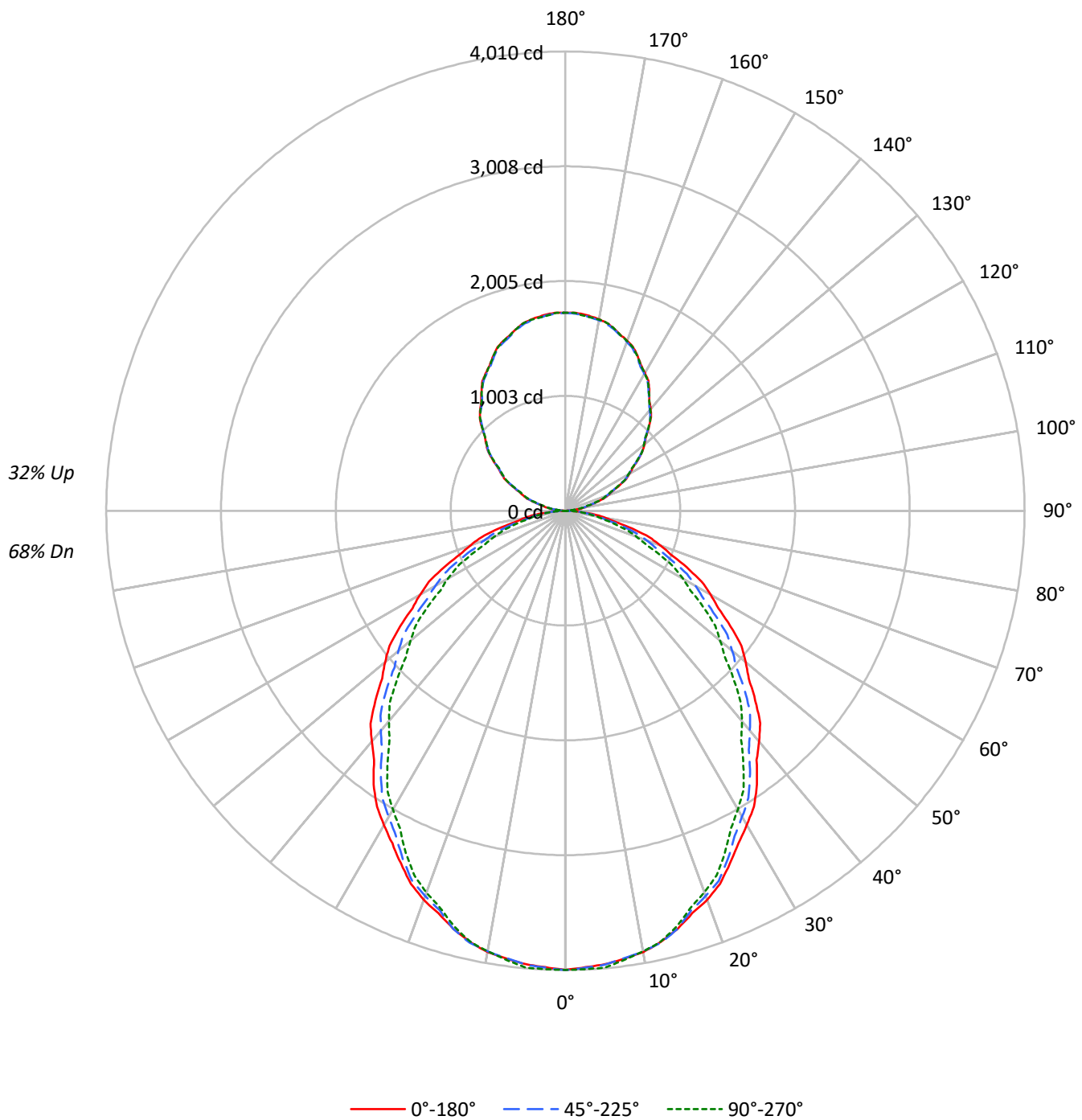
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22686	22686	22686
5°	22579	22595	22731
10°	22480	22447	22447
15°	22135	22135	22002
20°	21776	21553	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.4	2.7
10°-20°	1063.0	7.6
20°-30°	1544.0	11.0
30°-40°	1755.3	12.5
40°-50°	1704.0	12.1
50°-60°	1438.6	10.2
60°-70°	1023.5	7.3
70°-80°	546.9	3.9
80°-90°	144.5	1.0
90°-100°	73.0	0.5
100°-110°	285.8	2.0
110°-120°	509.4	3.6
120°-130°	689.3	4.9
130°-140°	792.4	5.6
140°-150°	795.2	5.7
150°-160°	683.8	4.9
160°-170°	462.9	3.3
170°-180°	163.3	1.2
0°-30°	2985.3	21.2
0°-40°	4740.6	33.7
0°-60°	7883.2	56.1
0°-90°	9598.1	68.3
90°-120°	868.2	6.2
90°-150°	3145.1	22.4
90°-180°	4455.0	31.7
0°-180°	14053.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4010	4010	4010	4010	4010	
5°	3976	4026	3979	3974	4003	377
15°	3779	3813	3779	3757	3757	1065
25°	3399	3411	3357	3311	3297	1566
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	0	0	8
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°	4010.0	4010.0	4010.0	4010.0	4010.0
2.5°	3989.5	4029.6	3994.1	3998.9	4007.8
5°	3975.9	4026.0	3978.7	3973.7	4002.8
7.5°	3945.1	3990.8	3941.7	3930.3	3955.4
10°	3913.2	3963.4	3907.5	3893.6	3907.5
12.5°	3856.3	3908.6	3864.3	3841.2	3852.9
15°	3779.4	3812.8	3779.4	3756.7	3756.7
17.5°	3685.5	3720.6	3657.6	3641.5	3635.1
20°	3617.1	3647.8	3580.1	3557.1	3547.5
22.5°	3526.0	3554.4	3498.1	3458.1	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
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)