

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: P1057022

Luminaire Tested: CB2-D-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057022
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-055U-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6203.4 lumens
Efficiency: N/A
Efficacy: 110.2 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: Semi-Indirect

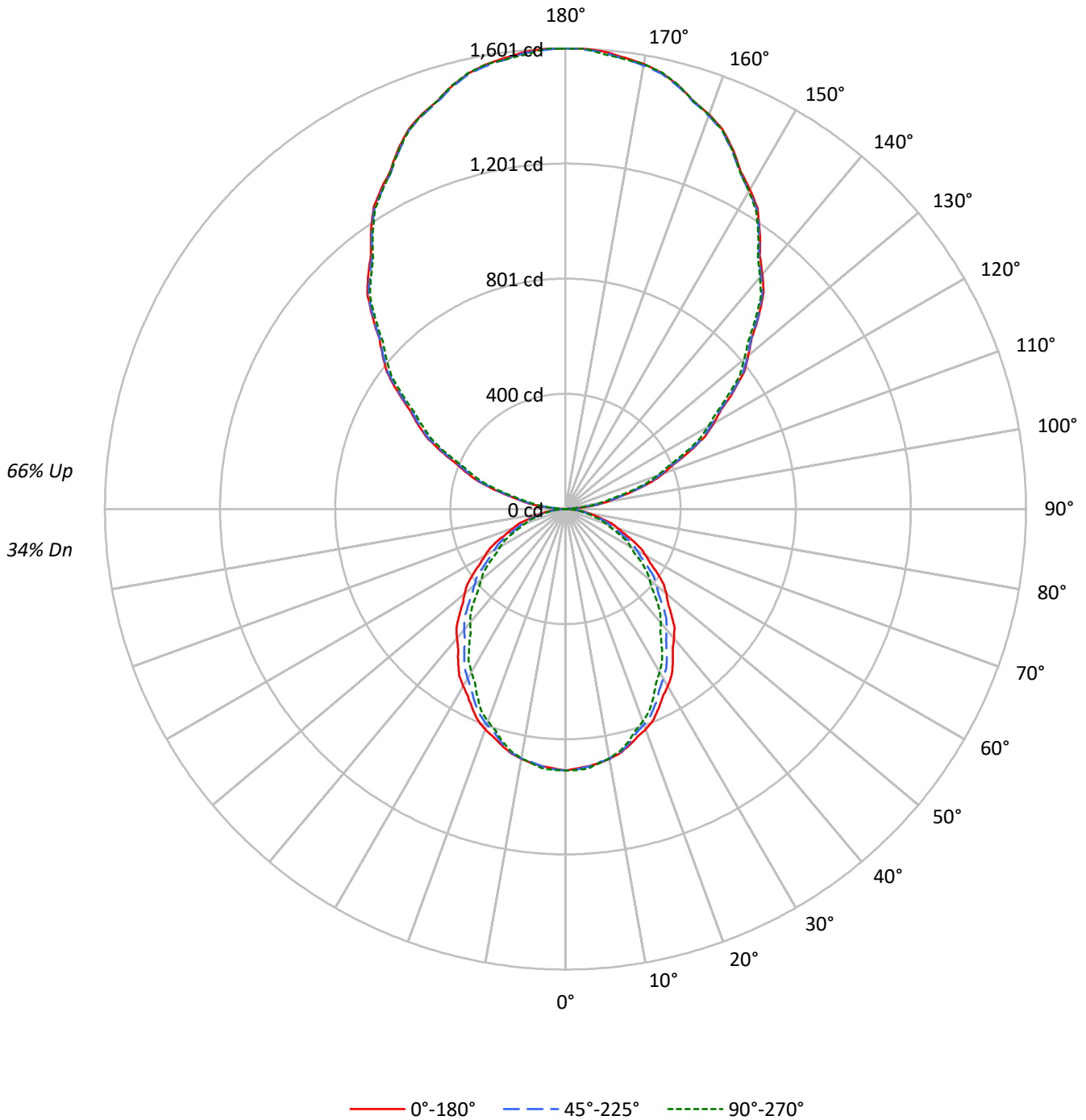
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	15	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7915	7915	7915
5°	7848	7860	7915
10°	7803	7785	7778
15°	7680	7629	7567
20°	7559	7391	7288
25°	7356	7148	6947
30°	7152	6837	6579
35°	6918	6518	6208
40°	6669	6218	5855
45°	6419	5905	5511
50°	6194	5601	5177
55°	5917	5284	4860
60°	5600	4981	4546
65°	5263	4647	4231
70°	4891	4270	3827
75°	4448	3863	3466
80°	3977	3385	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6419 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.4
10°-20°	238.2	3.8
20°-30°	342.6	5.5
30°-40°	385.0	6.2
40°-50°	371.9	6.0
50°-60°	314.3	5.1
60°-70°	225.7	3.6
70°-80°	123.4	2.0
80°-90°	32.8	0.5
90°-100°	61.9	1.0
100°-110°	255.1	4.1
110°-120°	463.2	7.5
120°-130°	630.2	10.2
130°-140°	727.6	11.7
140°-150°	733.2	11.8
150°-160°	632.7	10.2
160°-170°	428.8	6.9
170°-180°	151.3	2.4
0°-30°	666.3	10.7
0°-40°	1051.3	16.9
0°-60°	1737.5	28.0
0°-90°	2119.4	34.2
90°-120°	780.2	12.6
90°-150°	2871.1	46.3
90°-180°	4084.0	65.8
0°-180°	6203.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	909	909	909	909	909	
5°	898	910	899	899	905	85
15°	852	859	846	838	839	240
25°	766	766	744	727	723	352
35°	651	643	613	589	584	406
45°	521	510	480	454	448	403
55°	390	375	348	326	320	348
65°	255	246	226	209	205	253
75°	132	124	115	106	103	141
85°	31	29	28	24	23	36
90°	0	0	1	0	1	3
95°	60	53	50	39	39	70
105°	252	249	242	228	226	268
115°	480	478	470	456	455	473
125°	713	721	706	691	692	637
135°	951	962	946	928	934	732
145°	1178	1191	1173	1159	1168	736
155°	1378	1391	1372	1363	1374	634
165°	1523	1538	1519	1510	1524	429
175°	1595	1612	1591	1581	1585	151
180°	1601	1601	1601	1601	1601	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	908.9	908.9	908.9	908.9	908.9
2.5°	902.7	913.6	905.5	906.7	908.3
5°	897.7	910.0	899.1	899.2	905.4
7.5°	891.3	902.9	889.2	886.7	892.4
10°	882.4	894.0	880.3	875.5	879.6
12.5°	870.7	881.7	868.6	861.1	864.6
15°	851.8	859.3	846.2	837.9	839.3
17.5°	831.2	835.8	817.0	810.0	808.6
20°	815.6	819.7	797.5	787.7	786.4
22.5°	795.6	799.1	775.8	763.8	761.9
25°	765.5	766.2	743.9	727.1	723.0
27.5°	734.0	731.9	707.2	687.3	682.0
30°	711.2	708.5	679.9	658.9	654.2
32.5°	686.7	681.8	653.2	630.5	625.8
35°	650.7	643.2	613.1	589.3	583.9
37.5°	612.3	603.8	574.3	548.4	542.2
40°	586.6	577.1	547.0	521.1	515.0
42.5°	561.0	550.4	519.7	493.8	487.1
45°	521.2	510.3	479.5	454.3	447.5
47.5°	483.4	469.5	439.5	414.5	407.7
50°	457.2	442.2	413.4	388.9	382.1
52.5°	430.5	415.0	387.2	363.8	357.0
55°	389.7	375.4	348.0	326.2	320.1
57.5°	349.3	335.6	310.5	289.8	283.8
60°	321.5	309.9	286.0	266.4	261.0
62.5°	294.8	284.3	261.5	243.6	238.1
65°	255.4	245.9	225.5	209.4	205.3
67.5°	217.1	207.6	191.1	176.7	172.0
70°	192.1	182.5	167.7	154.4	150.3
72.5°	168.1	158.1	146.0	133.8	130.8
75°	132.2	124.1	114.8	105.7	103.0
77.5°	100.5	92.6	85.9	79.5	78.8
80°	79.3	72.5	67.5	63.3	62.6
82.5°	59.3	54.1	50.8	47.7	47.6
85°	30.6	28.6	27.8	24.3	23.0
87.5°	8.9	8.9	8.0	6.7	6.9
90°	0.0	0.0	1.2	0.0	1.2
92.5°	15.0	13.0	12.2	8.0	9.2
95°	60.0	52.6	50.0	38.7	38.7
97.5°	113.2	105.8	101.9	90.4	87.9
100°	151.1	143.8	139.9	127.4	124.9
102.5°	190.1	186.7	179.9	166.3	163.9
105°	252.3	248.7	242.3	228.5	226.1
107.5°	316.3	317.0	307.5	296.2	292.8
110°	362.2	361.0	353.5	342.2	339.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	409.2	407.0	399.5	388.2	385.7
115°	479.7	478.4	469.7	455.9	454.7
117.5°	546.6	550.5	540.1	525.6	525.1
120°	594.6	599.5	587.1	574.5	572.1
122.5°	641.5	647.4	635.0	620.6	621.0
125°	713.2	720.6	705.7	690.8	692.0
127.5°	782.4	791.5	777.7	762.5	763.9
130°	829.4	840.4	825.7	809.5	811.9
132.5°	877.4	888.4	873.6	856.5	860.9
135°	950.6	961.6	945.6	928.2	934.3
137.5°	1019.5	1030.5	1013.0	998.4	1005.8
140°	1065.5	1076.5	1058.0	1044.4	1051.7
142.5°	1110.4	1123.4	1103.9	1089.4	1098.7
145°	1177.9	1191.3	1172.9	1159.4	1167.9
147.5°	1241.8	1255.3	1236.6	1223.6	1232.4
150°	1282.8	1296.3	1276.6	1265.6	1275.3
152.5°	1320.8	1336.2	1315.5	1304.6	1317.3
155°	1377.8	1391.2	1371.5	1363.0	1374.0
157.5°	1427.2	1442.8	1423.2	1415.9	1424.7
160°	1460.2	1474.8	1455.2	1447.9	1457.7
162.5°	1485.2	1500.8	1482.2	1473.9	1485.7
165°	1522.6	1538.5	1518.9	1510.5	1523.9
167.5°	1552.1	1569.0	1549.1	1540.4	1554.1
170°	1570.1	1586.0	1565.1	1555.5	1570.1
172.5°	1582.1	1599.0	1577.1	1567.3	1577.1
175°	1595.1	1612.2	1591.3	1581.4	1585.1
177.5°	1601.3	1615.0	1598.3	1589.6	1601.3
180°	1601.3	1601.3	1601.3	1601.3	1601.3

(END OF REPORT)