

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: P1057024

Luminaire Tested: CB2-D-055U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057024
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6677.8 lumens
Efficiency: N/A
Efficacy: 118.6 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

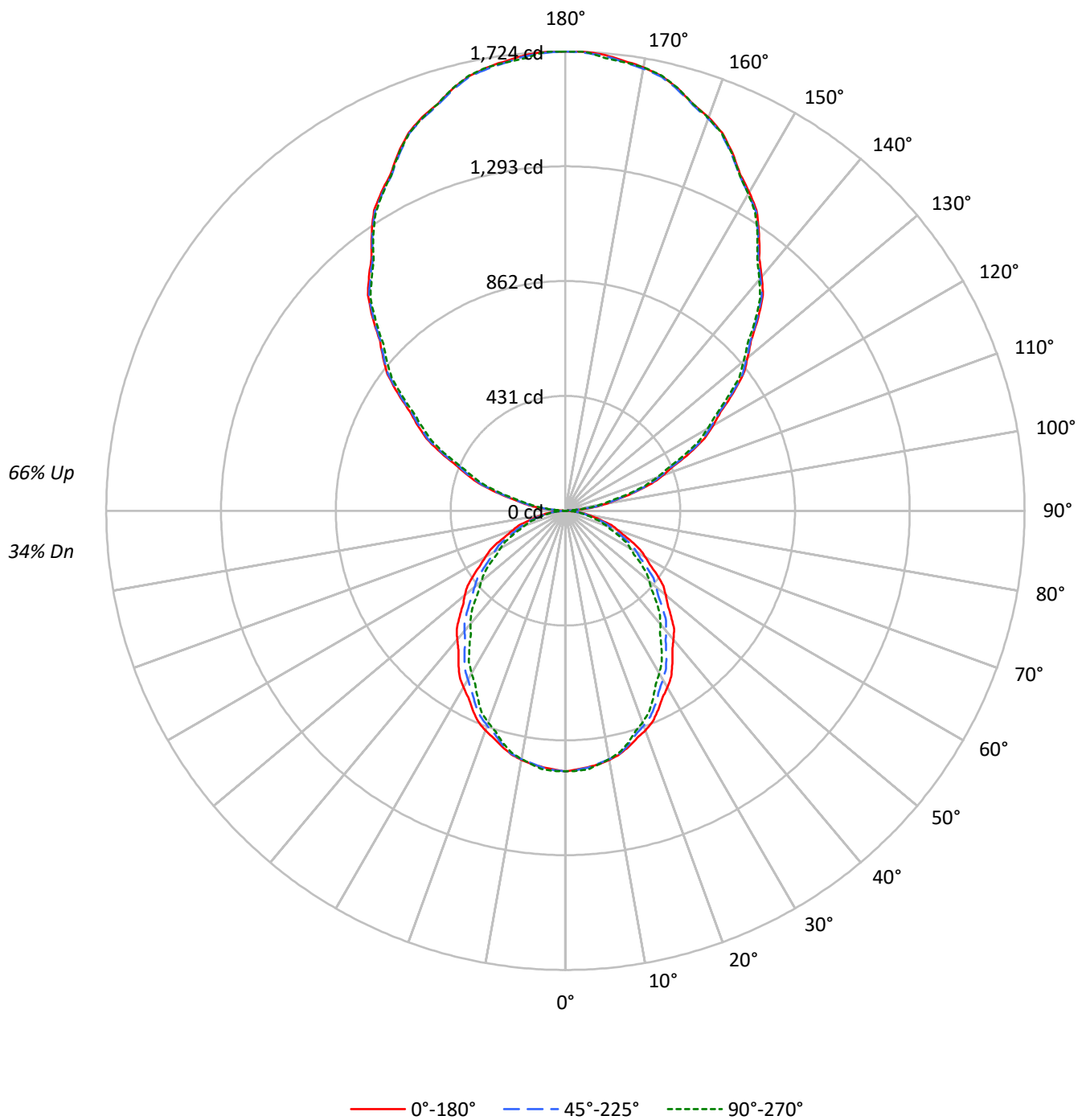
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057024

CATALOG NUMBER: CB2-D-055U-030D-840-1D-UNV-STD-W-8

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	36	55	45	38	33	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	15	14
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	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°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6910 cd/sqm

TEST NUMBER: P1057024

CATALOG NUMBER: CB2-D-055U-030D-840-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.4
10°-20°	256.5	3.8
20°-30°	368.8	5.5
30°-40°	414.5	6.2
40°-50°	400.4	6.0
50°-60°	338.3	5.1
60°-70°	243.0	3.6
70°-80°	132.8	2.0
80°-90°	35.4	0.5
90°-100°	66.6	1.0
100°-110°	274.6	4.1
110°-120°	498.6	7.5
120°-130°	678.4	10.2
130°-140°	783.2	11.7
140°-150°	789.2	11.8
150°-160°	681.1	10.2
160°-170°	461.6	6.9
170°-180°	162.8	2.4
0°-30°	717.2	10.7
0°-40°	1131.7	16.9
0°-60°	1870.4	28.0
0°-90°	2281.5	34.2
90°-120°	839.8	12.6
90°-150°	3090.7	46.3
90°-180°	4396.0	65.8
0°-180°	6677.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	1	0	1	4
95°	64	57	54	42	42	75
105°	272	268	261	246	243	288
115°	516	515	506	491	489	510
125°	768	776	760	744	745	686
135°	1023	1035	1018	999	1006	788
145°	1268	1282	1263	1248	1257	792
155°	1483	1498	1476	1467	1479	682
165°	1639	1656	1635	1626	1640	462
175°	1717	1736	1713	1702	1706	163
180°	1724	1724	1724	1724	1724	

TEST NUMBER: P1057024

CATALOG NUMBER: CB2-D-055U-030D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.7	7.2	7.5
90°	0.0	0.0	1.3	0.0	1.3
92.5°	16.1	14.0	13.2	8.6	10.0
95°	64.5	56.7	53.8	41.7	41.7
97.5°	121.8	113.9	109.7	97.3	94.7
100°	162.7	154.8	150.6	137.1	134.5
102.5°	204.7	201.0	193.6	179.0	176.4
105°	271.6	267.7	260.9	246.0	243.4
107.5°	340.5	341.2	331.0	318.9	315.2
110°	389.9	388.6	380.5	368.4	365.7

TEST NUMBER: P1057024

CATALOG NUMBER: CB2-D-055U-030D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	440.5	438.1	430.0	417.8	415.2
115°	516.3	515.0	505.6	490.8	489.4
117.5°	588.4	592.6	581.4	565.8	565.3
120°	640.0	645.3	632.0	618.5	615.8
122.5°	690.6	696.9	683.6	668.0	668.5
125°	767.8	775.7	759.7	743.6	744.9
127.5°	842.3	852.0	837.2	820.8	822.4
130°	892.8	904.7	888.8	871.4	874.0
132.5°	944.5	956.3	940.4	922.0	926.7
135°	1023.3	1035.1	1017.9	999.2	1005.8
137.5°	1097.5	1109.3	1090.5	1074.8	1082.7
140°	1147.0	1158.8	1138.9	1124.3	1132.2
142.5°	1195.4	1209.3	1188.4	1172.7	1182.7
145°	1268.0	1282.4	1262.6	1248.0	1257.2
147.5°	1336.8	1351.3	1331.2	1317.1	1326.6
150°	1380.9	1395.4	1374.2	1362.3	1372.9
152.5°	1421.8	1438.4	1416.2	1404.4	1418.0
155°	1483.1	1497.6	1476.4	1467.3	1479.1
157.5°	1536.4	1553.2	1532.1	1524.2	1533.7
160°	1571.9	1587.6	1566.5	1558.7	1569.2
162.5°	1598.8	1615.6	1595.5	1586.7	1599.3
165°	1639.1	1656.2	1635.1	1626.0	1640.4
167.5°	1670.8	1689.0	1667.6	1658.3	1673.0
170°	1690.2	1707.3	1684.8	1674.4	1690.2
172.5°	1703.1	1721.2	1697.7	1687.2	1697.7
175°	1717.1	1735.5	1713.1	1702.4	1706.3
177.5°	1723.8	1738.5	1720.6	1711.2	1723.8
180°	1723.8	1723.8	1723.8	1723.8	1723.8

(END OF REPORT)