

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: P1057015

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057015
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-030U-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6635.7 lumens
Efficiency: N/A
Efficacy: 120.9 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-Direct

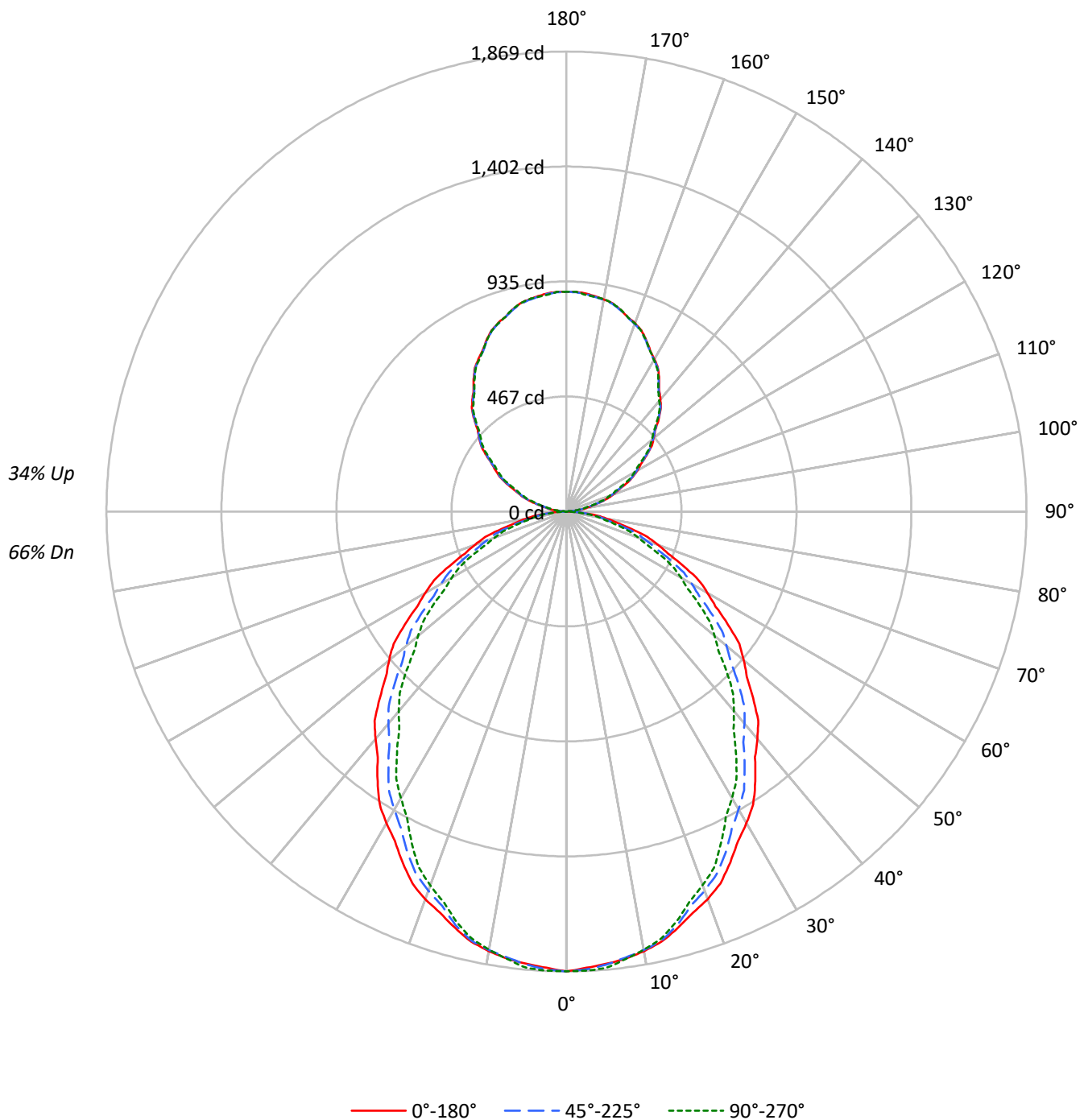
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	55	53	51
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38
5	71	60	51	45	67	57	49	44	51	45	40	45	40	37	40	36	33
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26
8	57	44	37	31	54	42	35	30	38	32	28	34	29	26	31	27	24
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21
10	50	37	30	25	47	36	29	24	32	27	23	29	25	21	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16277	16277	16277
5°	16138	16164	16277
10°	16047	16009	15996
15°	15793	15689	15561
20°	15544	15199	14988
25°	15126	14701	14288
30°	14708	14060	13527
35°	14226	13404	12765
40°	13715	12788	12039
45°	13201	12143	11333
50°	12738	11517	10645
55°	12168	10865	9995
60°	11516	10245	9348
65°	10823	9555	8700
70°	10058	8782	7870
75°	9149	7944	7127
80°	8180	6961	6459
85°	6295	5715	4716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	2.6
10°-20°	489.9	7.4
20°-30°	704.5	10.6
30°-40°	791.8	11.9
40°-50°	764.9	11.5
50°-60°	646.3	9.7
60°-70°	464.2	7.0
70°-80°	253.7	3.8
80°-90°	67.4	1.0
90°-100°	34.5	0.5
100°-110°	142.3	2.1
110°-120°	258.3	3.9
120°-130°	351.4	5.3
130°-140°	405.7	6.1
140°-150°	408.8	6.2
150°-160°	352.8	5.3
160°-170°	239.1	3.6
170°-180°	84.3	1.3
0°-30°	1370.2	20.6
0°-40°	2162.0	32.6
0°-60°	3573.1	53.8
0°-90°	4358.4	65.7
90°-120°	435.0	6.6
90°-150°	1601.0	24.1
90°-180°	2277.0	34.3
0°-180°	6635.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1846	1871	1849	1849	1862	175
15°	1752	1767	1740	1723	1726	494
25°	1574	1576	1530	1495	1487	725
35°	1338	1323	1261	1212	1201	836
45°	1072	1050	986	934	920	828
55°	801	772	716	671	658	716
65°	525	506	464	431	422	521
75°	272	255	236	217	212	291
85°	63	59	57	50	47	75
90°	0	0	1	0	1	4
95°	33	29	28	22	22	39
105°	141	139	135	127	126	149
115°	268	267	262	254	254	264
125°	398	402	394	385	386	355
135°	530	536	527	518	521	408
145°	657	664	654	646	651	410
155°	768	776	765	760	766	353
165°	849	858	847	842	850	239
175°	889	899	887	882	884	84
180°	893	893	893	893	893	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1869.0	1869.0	1869.0	1869.0	1869.0
2.5°	1856.4	1878.8	1862.2	1864.5	1867.9
5°	1846.1	1871.3	1849.0	1849.3	1861.9
7.5°	1833.0	1856.8	1828.7	1823.5	1835.3
10°	1814.6	1838.4	1810.4	1800.5	1808.9
12.5°	1790.6	1813.3	1786.3	1770.7	1778.0
15°	1751.7	1767.1	1740.2	1723.1	1725.9
17.5°	1709.3	1718.8	1680.1	1665.7	1662.9
20°	1677.3	1685.7	1640.0	1620.0	1617.2
22.5°	1636.0	1643.3	1595.4	1570.7	1566.8
25°	1574.2	1575.6	1529.9	1495.3	1486.9
27.5°	1509.5	1505.1	1454.3	1413.4	1402.5
30°	1462.6	1457.0	1398.2	1355.0	1345.2
32.5°	1412.2	1402.1	1343.2	1296.6	1286.9
35°	1338.1	1322.7	1260.8	1211.9	1200.7
37.5°	1259.1	1241.7	1181.0	1127.7	1115.1
40°	1206.4	1186.8	1124.9	1071.6	1059.0
42.5°	1153.8	1131.9	1068.8	1015.5	1001.8
45°	1071.9	1049.5	986.0	934.2	920.2
47.5°	994.0	965.5	903.9	852.3	838.3
50°	940.2	909.5	850.1	799.7	785.7
52.5°	885.3	853.4	796.3	748.2	734.2
55°	801.4	772.0	715.6	670.9	658.3
57.5°	718.4	690.2	638.6	595.9	583.6
60°	661.2	637.4	588.2	547.9	536.7
62.5°	606.2	584.7	537.8	500.9	489.7
65°	525.2	505.6	463.7	430.6	422.2
67.5°	446.5	426.9	393.0	363.3	353.8
70°	395.0	375.4	344.9	317.5	309.1
72.5°	345.8	325.0	300.2	275.2	269.0
75°	271.9	255.1	236.1	217.4	211.8
77.5°	206.7	190.4	176.6	163.4	162.0
80°	163.1	149.2	138.8	130.2	128.8
82.5°	121.9	111.3	104.5	98.2	97.9
85°	63.0	58.8	57.2	50.0	47.2
87.5°	18.3	18.3	16.2	13.7	13.9
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.4	7.3	6.8	4.5	5.2
95°	33.4	29.3	27.9	21.6	21.6
97.5°	63.1	59.0	56.8	50.4	49.0
100°	84.3	80.2	78.0	71.0	69.7
102.5°	106.0	104.1	100.3	92.7	91.4
105°	140.7	138.7	135.1	127.4	126.1
107.5°	176.4	176.8	171.5	165.2	163.3
110°	202.0	201.3	197.1	190.8	189.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	228.2	227.0	222.7	216.4	215.1
115°	267.5	266.8	261.9	254.2	253.5
117.5°	304.8	307.0	301.2	293.1	292.8
120°	331.5	334.3	327.4	320.4	319.0
122.5°	357.7	361.0	354.1	346.0	346.3
125°	397.7	401.8	393.5	385.2	385.9
127.5°	436.3	441.3	433.6	425.2	426.0
130°	462.5	468.6	460.4	451.4	452.7
132.5°	489.2	495.4	487.1	477.6	480.0
135°	530.0	536.2	527.3	517.6	521.0
137.5°	568.5	574.6	564.9	556.7	560.8
140°	594.1	600.3	589.9	582.4	586.5
142.5°	619.2	626.4	615.6	607.5	612.7
145°	656.8	664.3	654.0	646.5	651.2
147.5°	692.5	700.0	689.5	682.3	687.2
150°	715.3	722.8	711.8	705.7	711.1
152.5°	736.5	745.1	733.6	727.5	734.5
155°	768.3	775.7	764.8	760.0	766.2
157.5°	795.8	804.6	793.6	789.5	794.4
160°	814.2	822.4	811.4	807.4	812.8
162.5°	828.2	836.9	826.5	821.9	828.4
165°	849.0	857.9	847.0	842.3	849.7
167.5°	865.5	874.9	863.8	859.0	866.6
170°	875.5	884.4	872.7	867.3	875.5
172.5°	882.2	891.6	879.4	874.0	879.4
175°	889.4	899.0	887.4	881.8	883.9
177.5°	892.9	900.6	891.3	886.4	892.9
180°	892.9	892.9	892.9	892.9	892.9

(END OF REPORT)