

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1438604

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438604
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-030U-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

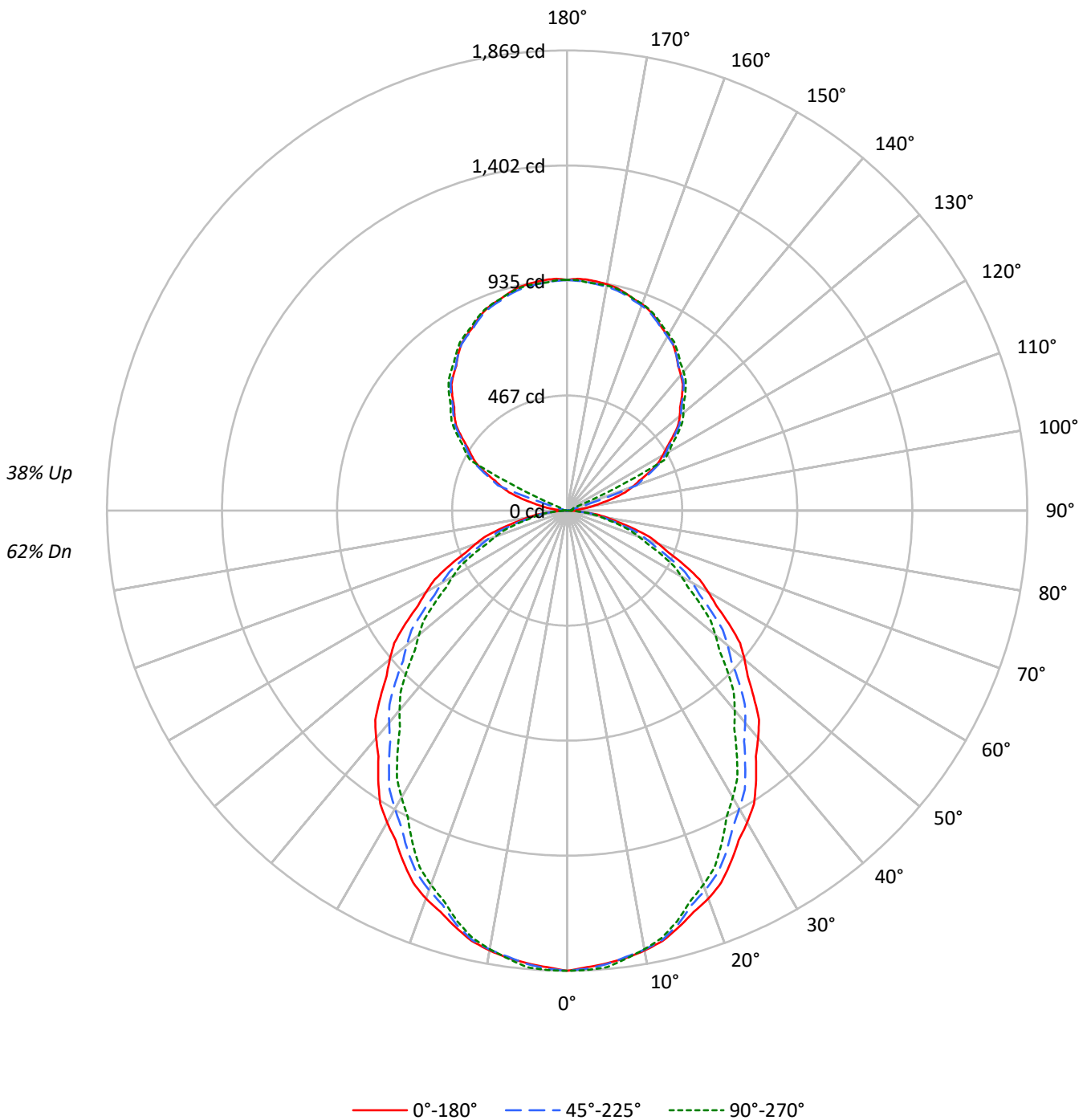
Lumens per Lamp: N/A
Luminaire Lumens: 7029.8 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (A_{in}): 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: P1438604

CATALOG NUMBER: CB2-030U-055D-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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	66	60	58	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	48	44
3	84	74	67	61	78	70	64	58	62	57	52	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	34	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	53	40	33	28	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	19	17

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



TEST NUMBER: P1438604

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	2.5
10°-20°	489.9	7.0
20°-30°	704.5	10.0
30°-40°	791.8	11.3
40°-50°	764.9	10.9
50°-60°	646.3	9.2
60°-70°	464.2	6.6
70°-80°	253.7	3.6
80°-90°	67.4	1.0
90°-100°	16.3	0.2
100°-110°	103.9	1.5
110°-120°	330.2	4.7
120°-130°	479.1	6.8
130°-140°	515.3	7.3
140°-150°	485.1	6.9
150°-160°	395.2	5.6
160°-170°	257.2	3.7
170°-180°	88.9	1.3
0°-30°	1370.2	19.5
0°-40°	2162.0	30.8
0°-60°	3573.1	50.8
0°-90°	4358.4	62.0
90°-120°	450.4	6.4
90°-150°	1930.0	27.5
90°-180°	2671.0	38.0
0°-180°	7029.8	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	0	1	1	4
95°	37	11	12	7	7	47
105°	195	202	20	24	25	205
115°	369	377	381	385	221	363
125°	524	534	534	543	550	469
135°	660	668	667	671	680	509
145°	772	778	773	774	784	483
155°	858	863	854	852	864	395
165°	914	917	908	904	913	258
175°	942	944	932	926	930	90
180°	937	937	937	937	937	

TEST NUMBER: P1438604

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

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	16.0	13.9	13.9
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	3.9	2.7	3.9	3.9
95°	37.3	10.8	11.5	7.4	6.8
97.5°	77.4	17.4	16.7	18.3	19.0
100°	107.7	35.5	18.3	21.0	21.7
102.5°	141.3	133.8	18.8	22.7	23.8
105°	195.1	202.4	20.3	23.7	25.1
107.5°	247.9	255.2	94.6	24.6	25.9
110°	283.2	290.4	299.4	25.1	26.4

TEST NUMBER: P1438604

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	316.2	325.1	331.9	55.9	27.5
115°	369.2	377.1	380.7	385.1	220.8
117.5°	415.9	425.7	429.8	437.4	444.8
120°	448.5	457.7	460.6	468.3	476.2
122.5°	480.4	488.6	490.5	499.2	506.6
125°	524.3	533.6	533.8	542.8	550.1
127.5°	568.2	576.2	575.8	582.5	590.6
130°	597.5	602.8	602.9	608.5	617.1
132.5°	621.9	629.3	629.5	634.0	642.6
135°	659.8	667.8	666.6	670.8	679.5
137.5°	695.4	703.1	701.0	704.6	713.5
140°	718.7	725.4	722.1	725.7	735.7
142.5°	740.4	747.0	742.2	745.3	755.7
145°	772.3	778.2	772.9	773.8	783.8
147.5°	800.6	806.4	800.0	800.9	810.2
150°	819.0	824.3	816.3	817.2	826.5
152.5°	835.3	840.0	831.5	831.3	842.2
155°	857.6	862.9	853.6	851.8	863.7
157.5°	877.9	882.8	873.5	872.2	881.5
160°	891.5	894.8	885.4	883.6	892.8
162.5°	900.7	904.5	895.1	892.2	901.5
165°	914.5	917.2	907.7	903.9	913.2
167.5°	926.4	929.5	917.4	913.9	923.9
170°	933.5	935.5	923.3	918.8	928.7
172.5°	937.8	939.3	927.1	922.0	928.7
175°	941.6	943.6	931.5	925.5	930.1
177.5°	942.3	943.4	934.2	928.9	936.9
180°	936.9	936.9	936.9	936.9	936.9



TEST NUMBER: P1438604

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.74	18.70	18.59	19.57	20.66	16.64	17.60	17.49	18.47	19.56
	3H	19.39	20.25	20.25	21.13	22.25	18.17	19.04	19.03	19.92	21.03
	4H	20.02	20.84	20.90	21.73	22.85	18.75	19.57	19.63	20.45	21.58
	6H	20.43	21.18	21.32	22.08	23.22	19.13	19.88	20.02	20.77	21.91
	8H	20.58	21.30	21.48	22.21	23.35	19.27	19.99	20.17	20.90	22.04
	12H	20.66	21.34	21.56	22.25	23.41	19.34	20.02	20.24	20.92	22.09
4H	2H	18.16	18.98	19.04	19.86	20.99	17.28	18.10	18.17	18.99	20.11
	3H	20.04	20.72	20.93	21.64	22.78	19.03	19.71	19.92	20.63	21.77
	4H	20.79	21.41	21.69	22.32	23.49	19.71	20.33	20.61	21.24	22.41
	6H	21.31	21.85	22.23	22.79	23.96	20.19	20.72	21.11	21.66	22.83
	8H	21.52	22.02	22.44	22.95	24.13	20.38	20.88	21.30	21.81	22.99
	12H	21.63	22.08	22.57	23.03	24.22	20.47	20.92	21.41	21.87	23.06
8H	4H	20.95	21.45	21.87	22.38	23.57	19.99	20.49	20.91	21.42	22.60
	6H	21.60	22.01	22.55	22.98	24.17	20.60	21.01	21.54	21.98	23.17
	8H	21.89	22.25	22.85	23.22	24.42	20.87	21.24	21.83	22.20	23.40
	12H	22.07	22.39	23.03	23.35	24.60	21.03	21.35	21.99	22.31	23.55
12H	4H	20.94	21.39	21.88	22.34	23.53	20.00	20.45	20.94	21.40	22.58
	6H	21.63	21.99	22.58	22.96	24.16	20.66	21.03	21.62	21.99	23.19
	8H	21.95	22.27	22.91	23.23	24.48	20.97	21.29	21.93	22.25	23.50