

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: P1438997

Luminaire Tested: CB2-D-030U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438997
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-085D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

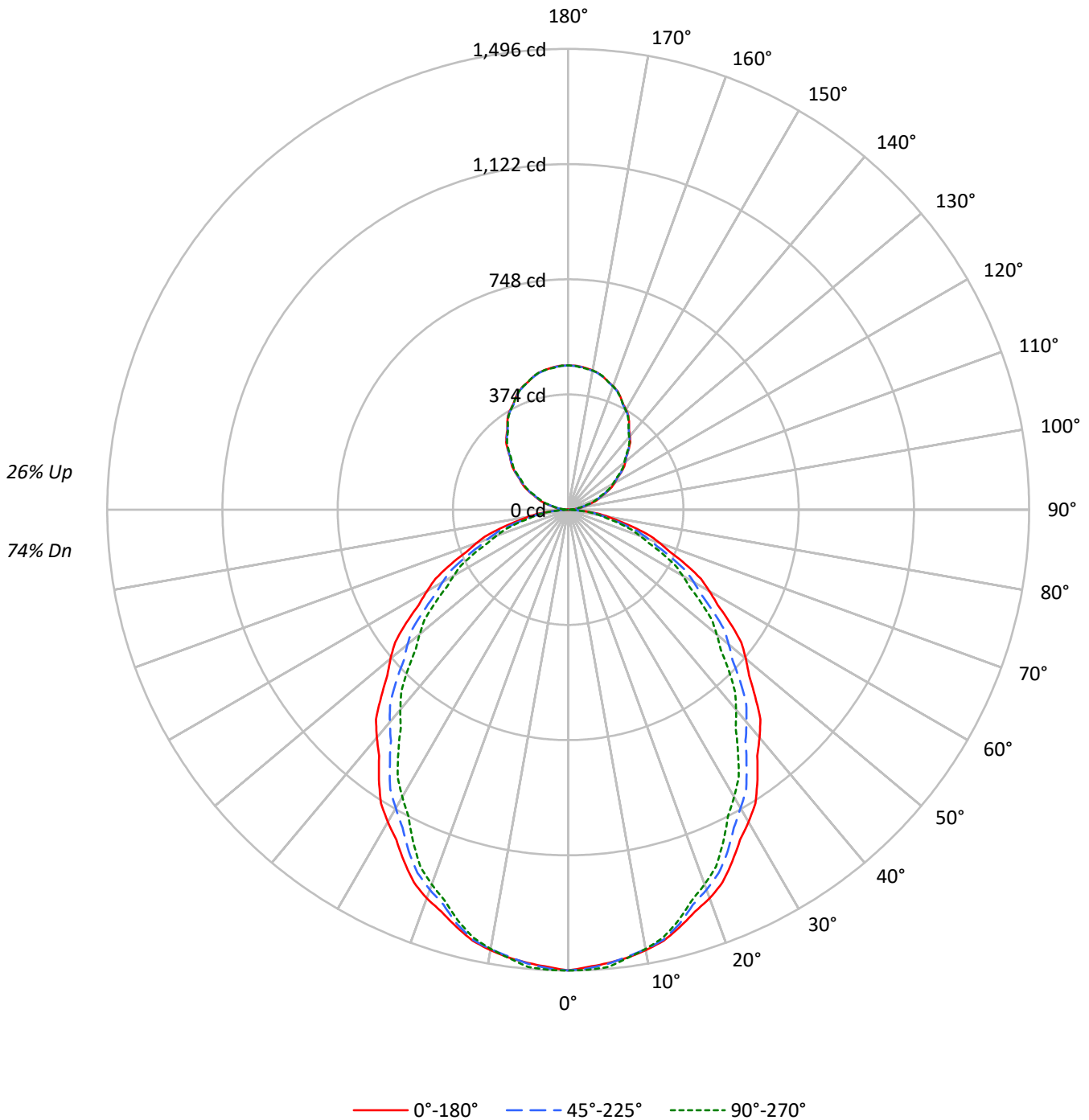
Lumens per Lamp: N/A
Luminaire Lumens: 4682.3 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 37.1
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

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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	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	74				
1	104	99	95	92	98	94	91	88	86	83	80	77	75	73	70	68	67	63				
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57	53				
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49	46				
4	79	68	60	54	75	65	58	52	60	54	49	54	49	45	49	46	42	39				
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37	34				
6	68	55	47	41	64	53	45	40	49	42	37	44	39	35	41	36	33	30				
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29	27				
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24				
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22				
10	51	39	31	26	49	37	30	26	35	28	24	32	27	23	30	25	22	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26055	26055	26055
5°	25832	25873	26053
10°	25685	25625	25606
15°	25279	25115	24907
20°	24882	24329	23990
25°	24213	23530	22869
30°	23543	22505	21654
35°	22770	21456	20433
40°	21955	20470	19272
45°	21132	19439	18141
50°	20390	18437	17038
55°	19477	17391	16000
60°	18435	16400	14961
65°	17326	15294	13926
70°	16097	14055	12599
75°	14643	12719	11407
80°	13100	11144	10341
85°	10072	9153	7554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.0
10°-20°	392.1	8.4
20°-30°	563.8	12.0
30°-40°	633.7	13.5
40°-50°	612.2	13.1
50°-60°	517.2	11.0
60°-70°	371.5	7.9
70°-80°	203.1	4.3
80°-90°	54.0	1.2
90°-100°	18.1	0.4
100°-110°	74.6	1.6
110°-120°	135.4	2.9
120°-130°	184.3	3.9
130°-140°	212.7	4.5
140°-150°	214.4	4.6
150°-160°	185.0	4.0
160°-170°	125.4	2.7
170°-180°	44.2	0.9
0°-30°	1096.6	23.4
0°-40°	1730.3	37.0
0°-60°	2859.7	61.1
0°-90°	3488.3	74.5
90°-120°	228.1	4.9
90°-150°	839.5	17.9
90°-180°	1194.0	25.5
0°-180°	4682.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1478	1498	1480	1480	1490	140
15°	1402	1414	1393	1379	1381	395
25°	1260	1261	1224	1197	1190	580
35°	1071	1059	1009	970	961	669
45°	858	840	789	748	736	663
55°	641	618	573	537	527	573
65°	420	405	371	345	338	417
75°	218	204	189	174	170	233
85°	50	47	46	40	38	60
90°	0	0	0	0	0	3
95°	18	15	15	11	11	20
105°	74	73	71	67	66	78
115°	140	140	137	133	133	138
125°	208	211	206	202	202	186
135°	278	281	276	271	273	214
145°	344	348	343	339	342	215
155°	403	407	401	398	402	185
165°	445	450	444	442	446	125
175°	466	471	465	462	464	44
180°	468	468	468	468	468	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1495.9	1495.9	1495.9	1495.9	1495.9
2.5°	1485.8	1503.7	1490.4	1492.3	1494.9
5°	1477.5	1497.7	1479.8	1480.1	1490.1
7.5°	1467.0	1486.0	1463.6	1459.4	1468.8
10°	1452.3	1471.4	1448.9	1441.0	1447.8
12.5°	1433.1	1451.2	1429.7	1417.2	1423.0
15°	1401.9	1414.3	1392.8	1379.1	1381.3
17.5°	1368.0	1375.7	1344.7	1333.2	1330.9
20°	1342.4	1349.1	1312.6	1296.5	1294.3
22.5°	1309.4	1315.2	1276.9	1257.1	1254.0
25°	1259.9	1261.0	1224.4	1196.8	1190.0
27.5°	1208.1	1204.6	1163.9	1131.2	1122.5
30°	1170.6	1166.1	1119.0	1084.5	1076.7
32.5°	1130.3	1122.2	1075.1	1037.8	1029.9
35°	1070.9	1058.6	1009.1	969.9	961.0
37.5°	1007.7	993.8	945.2	902.6	892.5
40°	965.6	949.9	900.3	857.7	847.6
42.5°	923.4	905.9	855.4	812.7	801.8
45°	857.9	840.0	789.2	747.7	736.5
47.5°	795.6	772.7	723.4	682.2	671.0
50°	752.5	727.9	680.4	640.0	628.8
52.5°	708.5	683.0	637.3	598.8	587.6
55°	641.4	617.9	572.7	537.0	526.9
57.5°	575.0	552.4	511.1	476.9	467.1
60°	529.2	510.1	470.8	438.5	429.5
62.5°	485.2	467.9	430.4	400.9	391.9
65°	420.4	404.7	371.1	344.6	337.9
67.5°	357.4	341.7	314.5	290.8	283.1
70°	316.1	300.4	276.0	254.1	247.4
72.5°	276.7	260.1	240.3	220.3	215.3
75°	217.6	204.2	189.0	174.0	169.5
77.5°	165.4	152.4	141.3	130.8	129.7
80°	130.6	119.4	111.1	104.2	103.1
82.5°	97.6	89.1	83.6	78.6	78.3
85°	50.4	47.0	45.8	40.0	37.8
87.5°	14.7	14.7	12.9	11.0	11.1
90°	0.0	0.0	0.4	0.0	0.4
92.5°	4.4	3.8	3.6	2.3	2.7
95°	17.5	15.4	14.6	11.3	11.3
97.5°	33.1	30.9	29.8	26.4	25.7
100°	44.2	42.0	40.9	37.2	36.5
102.5°	55.6	54.6	52.6	48.6	47.9
105°	73.8	72.7	70.9	66.8	66.1
107.5°	92.5	92.7	89.9	86.6	85.6
110°	105.9	105.6	103.4	100.1	99.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.6	119.0	116.8	113.5	112.8
115°	140.2	139.9	137.3	133.3	132.9
117.5°	159.8	161.0	157.9	153.7	153.5
120°	173.8	175.3	171.6	168.0	167.3
122.5°	187.6	189.3	185.7	181.4	181.6
125°	208.5	210.7	206.3	202.0	202.3
127.5°	228.8	231.4	227.4	222.9	223.4
130°	242.5	245.7	241.4	236.7	237.4
132.5°	256.5	259.7	255.4	250.4	251.7
135°	277.9	281.1	276.5	271.4	273.2
137.5°	298.1	301.3	296.2	291.9	294.1
140°	311.5	314.7	309.3	305.4	307.5
142.5°	324.7	328.5	322.8	318.5	321.2
145°	344.4	348.3	342.9	339.0	341.5
147.5°	363.1	367.0	361.6	357.7	360.3
150°	375.1	379.0	373.2	370.0	372.9
152.5°	386.2	390.7	384.6	381.4	385.2
155°	402.8	406.8	401.0	398.5	401.7
157.5°	417.3	421.9	416.1	414.0	416.6
160°	426.9	431.2	425.5	423.3	426.2
162.5°	434.2	438.8	433.4	431.0	434.4
165°	445.2	449.8	444.1	441.6	445.6
167.5°	453.8	458.7	452.9	450.4	454.4
170°	459.1	463.7	457.6	454.8	459.1
172.5°	462.6	467.5	461.1	458.3	461.1
175°	466.4	471.4	465.3	462.4	463.5
177.5°	468.2	472.2	467.3	464.8	468.2
180°	468.2	468.2	468.2	468.2	468.2



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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	20.35	21.46	21.06	22.20	23.07	19.25	20.36	19.96	21.10	21.97
	3H	22.01	23.01	22.74	23.76	24.66	20.79	21.79	21.52	22.54	23.44
	4H	22.65	23.59	23.40	24.35	25.27	21.38	22.32	22.13	23.08	23.99
	6H	23.06	23.94	23.83	24.70	25.63	21.76	22.63	22.52	23.40	24.33
	8H	23.22	24.05	23.99	24.83	25.77	21.91	22.74	22.68	23.52	24.45
	12H	23.30	24.09	24.08	24.87	25.83	21.98	22.77	22.76	23.55	24.51
4H	2H	20.79	21.73	21.54	22.48	23.40	19.91	20.85	20.66	21.61	22.53
	3H	22.68	23.46	23.44	24.25	25.19	21.67	22.45	22.43	23.25	24.18
	4H	23.43	24.15	24.21	24.94	25.90	22.35	23.07	23.13	23.86	24.82
	6H	23.97	24.59	24.76	25.40	26.37	22.84	23.46	23.64	24.27	25.25
	8H	24.18	24.76	24.98	25.57	26.55	23.04	23.61	23.84	24.43	25.41
	12H	24.30	24.82	25.12	25.65	26.64	23.14	23.66	23.96	24.49	25.48
8H	4H	23.61	24.19	24.41	25.00	25.98	22.64	23.22	23.45	24.03	25.02
	6H	24.26	24.74	25.09	25.59	26.58	23.26	23.74	24.09	24.59	25.58
	8H	24.55	24.98	25.39	25.83	26.83	23.54	23.96	24.38	24.81	25.81
	12H	24.74	25.11	25.58	25.96	27.01	23.70	24.07	24.54	24.91	25.97
12H	4H	23.60	24.12	24.42	24.95	25.94	22.66	23.18	23.48	24.01	25.00
	6H	24.29	24.72	25.13	25.57	26.57	23.32	23.75	24.16	24.60	25.60
	8H	24.62	25.00	25.46	25.84	26.89	23.64	24.02	24.49	24.86	25.91