

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: P1439511

Luminaire Tested: CB3-D-030U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439511
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

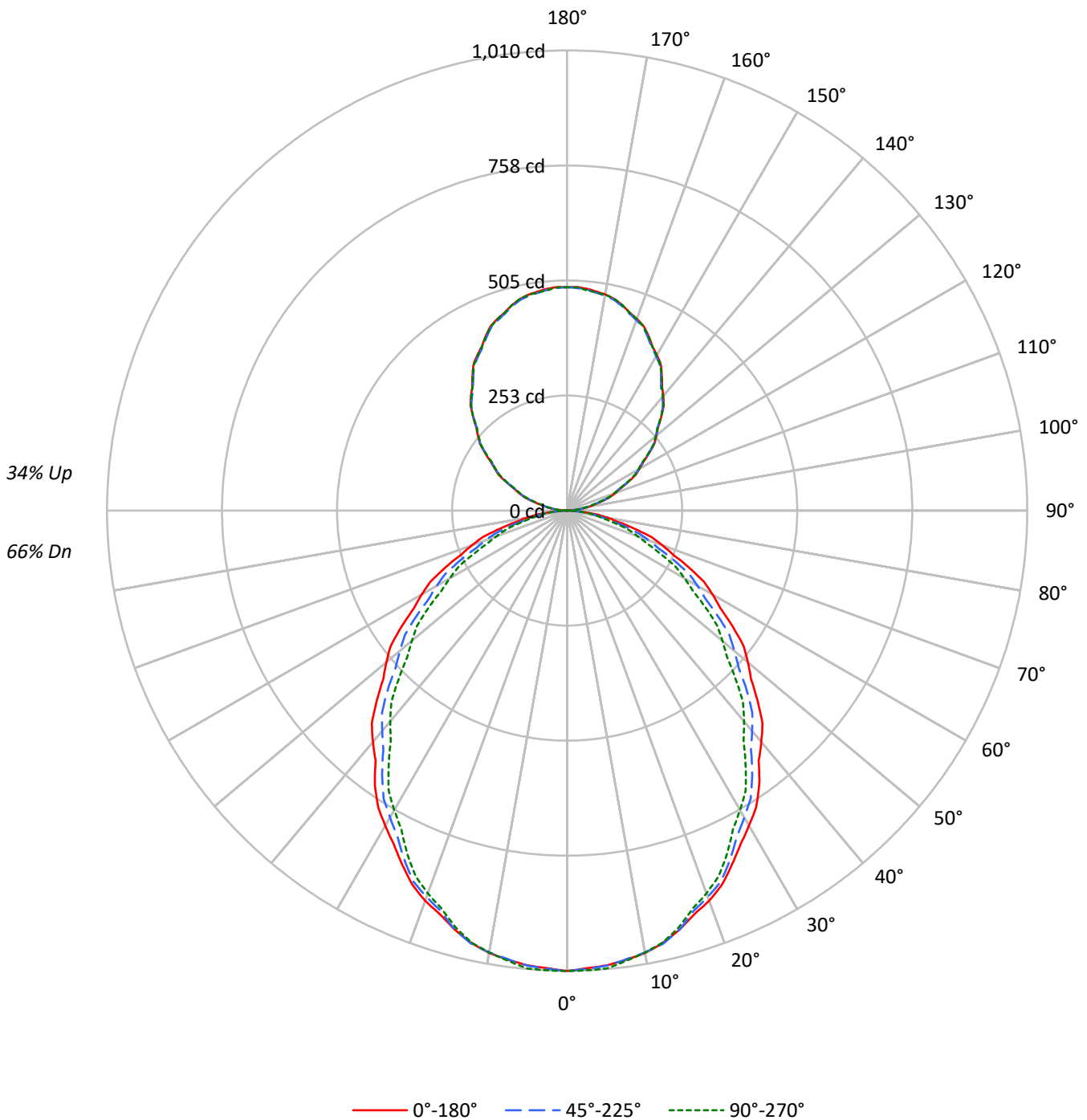
Lumens per Lamp: N/A
Luminaire Lumens: 3682.1 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 24.7
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	0
RCR																		
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11433	11433	11433
5°	11379	11387	11457
10°	11329	11313	11313
15°	11156	11156	11089
20°	10975	10863	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	2.6
10°-20°	267.9	7.3
20°-30°	389.1	10.6
30°-40°	442.3	12.0
40°-50°	429.4	11.7
50°-60°	362.5	9.8
60°-70°	257.9	7.0
70°-80°	137.8	3.7
80°-90°	36.4	1.0
90°-100°	20.7	0.6
100°-110°	81.1	2.2
110°-120°	144.5	3.9
120°-130°	195.5	5.3
130°-140°	224.8	6.1
140°-150°	225.5	6.1
150°-160°	194.0	5.3
160°-170°	131.3	3.6
170°-180°	46.3	1.3
0°-30°	752.3	20.4
0°-40°	1194.6	32.4
0°-60°	1986.4	53.9
0°-90°	2418.6	65.7
90°-120°	246.2	6.7
90°-150°	892.0	24.2
90°-180°	1264.0	34.3
0°-180°	3682.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1002	1014	1003	1001	1009	95
15°	952	961	952	947	947	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	2
95°	20	18	16	15	15	23
105°	79	78	76	74	74	84
115°	147	148	145	144	144	146
125°	220	222	218	217	217	196
135°	292	295	291	288	291	225
145°	362	365	359	358	361	226
155°	423	427	420	418	422	195
165°	467	471	465	462	467	132
175°	489	494	487	484	486	46
180°	490	490	490	490	490	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.5	1010.5	1010.5	1010.5	1010.5
2.5°	1005.3	1015.4	1006.5	1007.7	1009.9
5°	1001.9	1014.5	1002.6	1001.4	1008.7
7.5°	994.2	1005.7	993.3	990.4	996.7
10°	986.1	998.7	984.7	981.2	984.7
12.5°	971.8	985.0	973.8	968.0	970.9
15°	952.4	960.8	952.4	946.7	946.7
17.5°	928.7	937.6	921.7	917.6	916.0
20°	911.5	919.2	902.2	896.4	893.9
22.5°	888.5	895.7	881.5	871.4	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.4	4.8	3.0	2.4	2.4
95°	19.9	18.1	16.2	15.0	15.4
97.5°	36.8	35.0	32.6	31.5	31.8
100°	48.5	47.0	44.4	43.2	43.2
102.5°	59.9	59.0	56.4	55.3	55.6
105°	78.6	78.2	75.6	74.4	73.7
107.5°	99.2	98.5	95.6	95.5	94.8
110°	112.4	112.0	109.4	109.0	108.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.9	126.4	123.5	123.1	122.8
115°	147.4	148.1	144.7	144.3	144.0
117.5°	169.3	170.3	166.8	166.4	165.7
120°	183.4	185.7	181.2	180.8	180.4
122.5°	197.9	199.8	195.6	194.9	194.9
125°	219.5	222.1	217.7	216.9	217.3
127.5°	241.2	243.8	239.7	238.2	239.0
130°	255.6	258.6	254.1	252.6	253.7
132.5°	270.4	273.3	268.9	267.4	269.1
135°	292.5	295.4	290.6	288.4	291.3
137.5°	314.0	316.6	311.3	309.8	312.9
140°	328.2	330.8	325.2	323.4	327.0
142.5°	342.0	344.9	338.7	336.9	340.9
145°	362.4	365.3	359.4	357.6	360.9
147.5°	381.9	384.9	378.9	376.8	380.2
150°	394.0	397.3	391.0	389.2	392.8
152.5°	405.7	409.3	402.7	400.6	405.2
155°	422.9	426.6	419.5	417.7	422.2
157.5°	438.4	441.8	435.4	433.6	437.4
160°	447.7	451.4	444.7	442.9	447.3
162.5°	455.8	459.5	453.4	451.1	455.5
165°	466.9	470.9	464.6	462.1	466.9
167.5°	476.1	480.5	473.8	471.5	476.3
170°	481.6	485.6	478.9	476.0	480.8
172.5°	485.2	489.2	482.5	479.6	482.9
175°	489.1	493.5	486.8	483.8	485.7
177.5°	490.8	494.3	489.0	486.4	490.5
180°	490.2	490.2	490.2	490.2	490.2



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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	16.95	17.96	17.76	18.79	19.82	15.87	16.88	16.68	17.71	18.74
	3H	18.63	19.53	19.45	20.37	21.43	17.30	18.20	18.12	19.04	20.10
	4H	19.27	20.12	20.11	20.97	22.04	17.82	18.67	18.66	19.52	20.59
	6H	19.66	20.44	20.51	21.30	22.38	18.15	18.93	19.00	19.79	20.87
	8H	19.80	20.55	20.66	21.42	22.51	18.27	19.02	19.14	19.90	20.98
	12H	19.87	20.59	20.74	21.45	22.56	18.35	19.07	19.22	19.94	21.04
4H	2H	17.38	18.23	18.22	19.08	20.15	16.52	17.37	17.36	18.22	19.29
	3H	19.28	19.99	20.14	20.87	21.96	18.15	18.86	19.01	19.74	20.83
	4H	20.04	20.68	20.91	21.56	22.67	18.76	19.41	19.63	20.29	21.40
	6H	20.55	21.10	21.43	22.01	23.12	19.18	19.74	20.07	20.65	21.76
	8H	20.74	21.26	21.63	22.16	23.29	19.36	19.88	20.25	20.78	21.90
	12H	20.84	21.31	21.75	22.23	23.36	19.47	19.94	20.38	20.86	21.99
8H	4H	20.18	20.70	21.06	21.60	22.72	19.04	19.56	19.93	20.46	21.58
	6H	20.80	21.23	21.72	22.17	23.30	19.57	20.00	20.49	20.94	22.07
	8H	21.08	21.46	22.00	22.39	23.54	19.82	20.21	20.75	21.14	22.28
	12H	21.25	21.58	22.18	22.51	23.70	20.01	20.34	20.94	21.27	22.46
12H	4H	20.16	20.63	21.06	21.54	22.68	19.05	19.51	19.95	20.43	21.56
	6H	20.82	21.20	21.74	22.13	23.28	19.63	20.01	20.55	20.94	22.09
	8H	21.12	21.46	22.05	22.39	23.58	19.92	20.25	20.85	21.18	22.37