

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: P1439519

Luminaire Tested: CB3-D-030U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439519
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-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

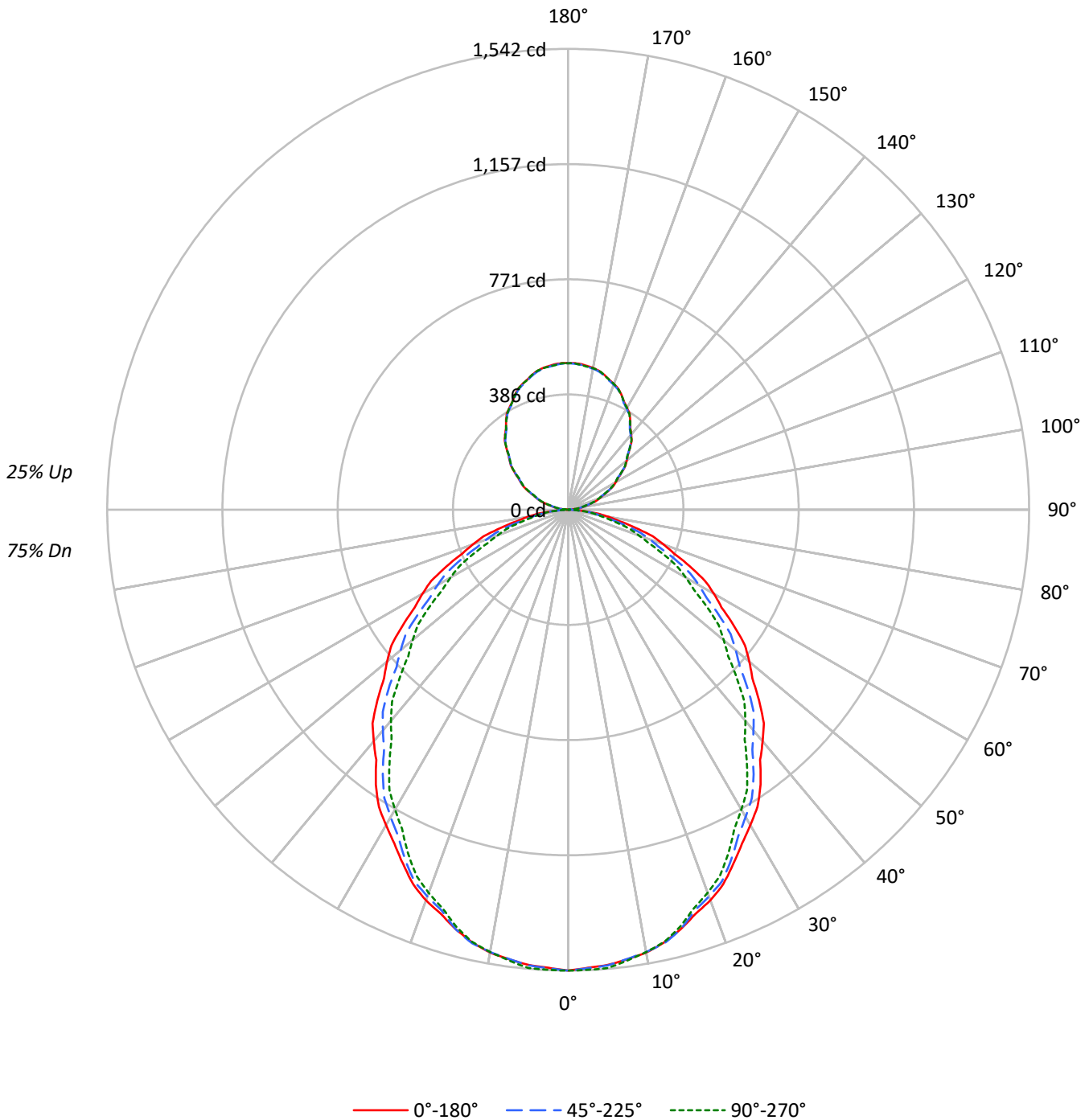
Lumens per Lamp: N/A
Luminaire Lumens: 4955.1 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 33.8
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																		
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	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	75																												
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	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	53	49	54	49	45	49	45	42	39																												
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37	34																												
6	67	55	47	41	64	53	45	39	48	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	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	20																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17449	17449	17449
5°	17367	17380	17483
10°	17291	17266	17266
15°	17026	17026	16924
20°	16750	16579	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	2.9
10°-20°	408.8	8.3
20°-30°	593.8	12.0
30°-40°	675.1	13.6
40°-50°	655.4	13.2
50°-60°	553.3	11.2
60°-70°	393.7	7.9
70°-80°	210.3	4.2
80°-90°	55.6	1.1
90°-100°	20.7	0.4
100°-110°	81.1	1.6
110°-120°	144.5	2.9
120°-130°	195.5	3.9
130°-140°	224.8	4.5
140°-150°	225.5	4.6
150°-160°	194.0	3.9
160°-170°	131.3	2.6
170°-180°	46.3	0.9
0°-30°	1148.2	23.2
0°-40°	1823.3	36.8
0°-60°	3032.0	61.2
0°-90°	3691.6	74.5
90°-120°	246.2	5.0
90°-150°	892.0	18.0
90°-180°	1264.0	25.5
0°-180°	4955.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1542	1542	1542	1542	1542	
5°	1529	1548	1530	1528	1539	145
15°	1454	1466	1454	1445	1445	409
25°	1308	1312	1291	1273	1268	602
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
90°	0	0	0	0	0	3
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°	1542.2	1542.2	1542.2	1542.2	1542.2
2.5°	1534.3	1549.8	1536.1	1537.9	1541.3
5°	1529.1	1548.4	1530.2	1528.2	1539.3
7.5°	1517.3	1534.8	1515.9	1511.6	1521.2
10°	1505.0	1524.3	1502.8	1497.4	1502.8
12.5°	1483.1	1503.2	1486.2	1477.3	1481.8
15°	1453.5	1466.4	1453.5	1444.8	1444.8
17.5°	1417.4	1430.9	1406.7	1400.5	1398.0
20°	1391.1	1402.9	1376.9	1368.0	1364.4
22.5°	1356.1	1367.0	1345.3	1330.0	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.0	14.0
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	19.10	20.22	19.82	20.95	21.82	18.02	19.14	18.74	19.87	20.75
	3H	20.78	21.79	21.51	22.53	23.44	19.45	20.46	20.18	21.20	22.11
	4H	21.43	22.37	22.18	23.13	24.04	19.98	20.93	20.73	21.68	22.60
	6H	21.83	22.70	22.59	23.46	24.39	20.31	21.18	21.07	21.95	22.88
	8H	21.97	22.80	22.74	23.58	24.52	20.44	21.27	21.21	22.06	22.99
	12H	22.05	22.84	22.82	23.61	24.57	20.53	21.32	21.30	22.10	23.06
4H	2H	19.54	20.48	20.29	21.24	22.15	18.68	19.62	19.43	20.38	21.30
	3H	21.45	22.24	22.21	23.03	23.96	20.32	21.11	21.09	21.90	22.83
	4H	22.21	22.92	22.99	23.72	24.68	20.94	21.65	21.72	22.44	23.41
	6H	22.73	23.34	23.52	24.16	25.13	21.36	21.98	22.16	22.80	23.77
	8H	22.92	23.50	23.72	24.31	25.29	21.54	22.12	22.34	22.93	23.91
	12H	23.03	23.55	23.85	24.39	25.37	21.66	22.18	22.48	23.01	24.00
8H	4H	22.36	22.94	23.16	23.75	24.73	21.22	21.80	22.02	22.61	23.59
	6H	22.99	23.47	23.82	24.32	25.30	21.76	22.24	22.59	23.09	24.07
	8H	23.27	23.69	24.11	24.54	25.54	22.01	22.44	22.85	23.29	24.29
	12H	23.44	23.82	24.28	24.66	25.71	22.20	22.57	23.04	23.42	24.47
12H	4H	22.34	22.86	23.16	23.70	24.68	21.23	21.75	22.05	22.59	23.57
	6H	23.01	23.43	23.85	24.28	25.28	21.82	22.24	22.66	23.09	24.09
	8H	23.32	23.69	24.16	24.53	25.59	22.11	22.49	22.95	23.33	24.38