

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: P1438673

Luminaire Tested: CB2-055U-085D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438673
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: CB2-055U-085D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

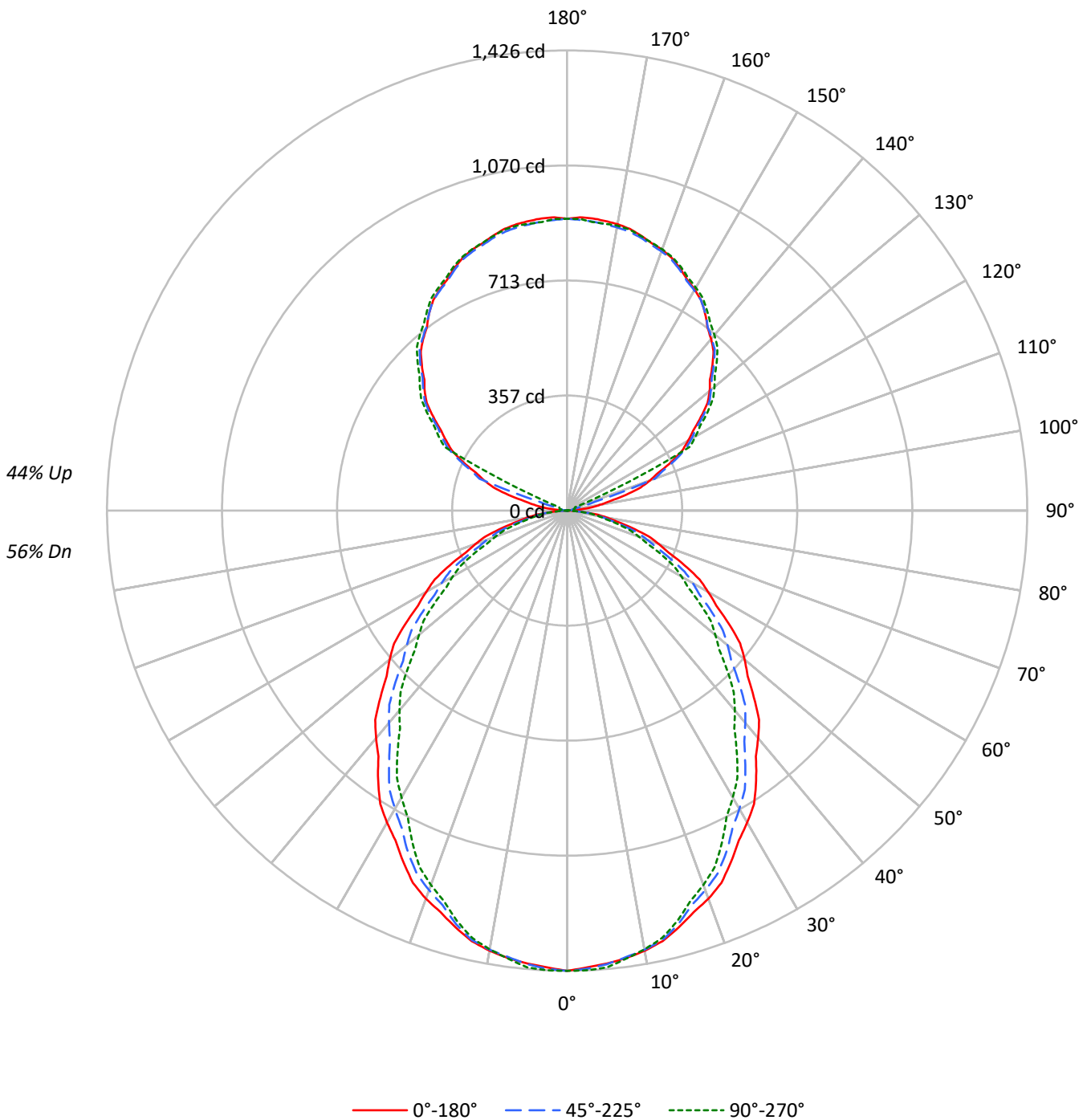
Lumens per Lamp: N/A
Luminaire Lumens: 5904.9 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 44.9
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: P1438673

CATALOG NUMBER: CB2-055U-085D-840-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20				20				20	
RC	80									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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56	
1	99	95	91	88	92	89	85	82	76	74	72	65	64	62	55	54	53	48	
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	40	
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	34	
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30	
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26	
6	64	52	44	38	60	49	42	37	43	37	33	37	33	29	32	28	26	23	
7	60	47	39	34	55	45	37	32	39	33	29	34	29	26	29	26	23	20	
8	55	43	35	30	52	41	34	29	36	30	26	31	27	23	27	23	21	18	
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17	
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24844	24844	24844
5°	24633	24671	24845
10°	24493	24435	24416
15°	24107	23948	23751
20°	23727	23200	22876
25°	23088	22439	21808
30°	22449	21461	20649
35°	21713	20459	19485
40°	20934	19519	18376
45°	20151	18535	17299
50°	19444	17580	16247
55°	18572	16583	15256
60°	17578	15637	14268
65°	16518	14585	13279
70°	15349	13403	12013
75°	13964	12127	10875
80°	12488	10622	9860
85°	9612	8733	7194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20151 cd/sqm



TEST NUMBER: P1438673

CATALOG NUMBER: CB2-055U-085D-840-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	2.3
10°-20°	373.9	6.3
20°-30°	537.6	9.1
30°-40°	604.3	10.2
40°-50°	583.7	9.9
50°-60°	493.2	8.4
60°-70°	354.3	6.0
70°-80°	193.6	3.3
80°-90°	51.5	0.9
90°-100°	15.8	0.3
100°-110°	100.3	1.7
110°-120°	318.7	5.4
120°-130°	462.5	7.8
130°-140°	497.4	8.4
140°-150°	468.3	7.9
150°-160°	381.5	6.5
160°-170°	248.3	4.2
170°-180°	85.8	1.5
0°-30°	1045.7	17.7
0°-40°	1650.0	27.9
0°-60°	2726.9	46.2
0°-90°	3326.3	56.3
90°-120°	434.8	7.4
90°-150°	1862.9	31.5
90°-180°	2579.0	43.7
0°-180°	5904.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1426	1426	1426	1426	1426	
5°	1409	1428	1411	1411	1421	134
15°	1337	1349	1328	1315	1317	377
25°	1201	1202	1168	1141	1135	553
35°	1021	1010	962	925	916	638
45°	818	801	752	713	702	632
55°	612	589	546	512	502	547
65°	401	386	354	329	322	397
75°	208	195	180	166	162	222
85°	48	45	44	38	36	57
90°	0	0	0	1	1	3
95°	36	10	11	7	6	46
105°	188	195	20	23	24	198
115°	356	364	368	372	213	350
125°	506	515	515	524	531	452
135°	637	645	643	648	656	491
145°	745	751	746	747	756	466
155°	828	833	824	822	834	382
165°	883	885	876	872	881	249
175°	909	911	899	893	898	86
180°	904	904	904	904	904	

TEST NUMBER: P1438673

CATALOG NUMBER: CB2-055U-085D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1426.4	1426.4	1426.4	1426.4	1426.4
2.5°	1416.8	1433.9	1421.2	1423.0	1425.5
5°	1408.9	1428.2	1411.1	1411.3	1421.0
7.5°	1398.9	1417.1	1395.6	1391.7	1400.6
10°	1384.9	1403.1	1381.6	1374.1	1380.5
12.5°	1366.6	1383.9	1363.3	1351.4	1357.0
15°	1336.9	1348.6	1328.1	1315.1	1317.2
17.5°	1304.5	1311.8	1282.2	1271.3	1269.1
20°	1280.1	1286.5	1251.7	1236.3	1234.2
22.5°	1248.6	1254.2	1217.6	1198.7	1195.7
25°	1201.4	1202.5	1167.6	1141.2	1134.8
27.5°	1152.1	1148.6	1109.9	1078.7	1070.4
30°	1116.2	1112.0	1067.1	1034.1	1026.7
32.5°	1077.8	1070.1	1025.1	989.6	982.1
35°	1021.2	1009.5	962.2	924.9	916.4
37.5°	960.9	947.7	901.3	860.7	851.0
40°	920.7	905.8	858.5	817.8	808.2
42.5°	880.5	863.9	815.7	775.0	764.5
45°	818.1	801.0	752.5	713.0	702.3
47.5°	758.6	736.9	689.8	650.5	639.8
50°	717.6	694.1	648.8	610.3	599.6
52.5°	675.6	651.3	607.7	571.0	560.3
55°	611.6	589.2	546.1	512.0	502.4
57.5°	548.3	526.7	487.3	454.8	445.4
60°	504.6	486.4	448.9	418.1	409.6
62.5°	462.7	446.2	410.5	382.3	373.8
65°	400.8	385.9	353.9	328.6	322.2
67.5°	340.8	325.8	299.9	277.3	270.0
70°	301.4	286.5	263.2	242.3	235.9
72.5°	263.9	248.1	229.1	210.0	205.3
75°	207.5	194.7	180.2	165.9	161.6
77.5°	157.7	145.3	134.8	124.7	123.6
80°	124.5	113.8	105.9	99.4	98.3
82.5°	93.1	84.9	79.7	74.9	74.7
85°	48.1	44.9	43.7	38.2	36.0
87.5°	14.0	14.0	12.2	10.6	10.6
90°	0.0	0.0	0.0	0.7	0.7
92.5°	9.9	3.8	2.6	3.8	3.8
95°	36.0	10.4	11.1	7.2	6.5
97.5°	74.7	16.7	16.1	17.7	18.3
100°	104.0	34.3	17.7	20.3	20.9
102.5°	136.4	129.1	18.2	21.9	23.0
105°	188.3	195.4	19.6	22.9	24.2
107.5°	239.3	246.4	91.3	23.7	25.0
110°	273.3	280.4	289.0	24.2	25.5



TEST NUMBER: P1438673

CATALOG NUMBER: CB2-055U-085D-840-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	305.2	313.8	320.4	53.9	26.5
115°	356.4	364.0	367.5	371.7	213.2
117.5°	401.5	410.9	414.8	422.2	429.3
120°	432.9	441.8	444.6	452.0	459.7
122.5°	463.7	471.7	473.4	481.8	489.0
125°	506.1	515.1	515.3	523.9	531.0
127.5°	548.5	556.2	555.8	562.3	570.1
130°	576.7	581.8	582.0	587.4	595.7
132.5°	600.3	607.4	607.6	612.0	620.3
135°	636.9	644.6	643.4	647.5	655.8
137.5°	671.3	678.7	676.6	680.1	688.7
140°	693.8	700.2	697.0	700.5	710.1
142.5°	714.7	721.1	716.4	719.4	729.5
145°	745.4	751.2	746.1	747.0	756.5
147.5°	772.8	778.4	772.2	773.1	782.0
150°	790.5	795.7	787.9	788.8	797.7
152.5°	806.2	810.8	802.6	802.4	812.9
155°	827.8	832.9	823.9	822.2	833.7
157.5°	847.4	852.2	843.1	841.9	850.8
160°	860.5	863.7	854.6	852.9	861.8
162.5°	869.4	873.1	864.0	861.2	870.2
165°	882.7	885.3	876.2	872.5	881.4
167.5°	894.3	897.2	885.5	882.2	891.8
170°	901.1	903.0	891.2	886.9	896.5
172.5°	905.2	906.6	894.9	890.0	896.5
175°	908.9	910.8	899.1	893.3	897.8
177.5°	909.6	910.6	901.7	896.7	904.3
180°	904.3	904.3	904.3	904.3	904.3

TEST NUMBER: P1438673

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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	18.73	19.64	19.63	20.56	21.74	17.63	18.54	18.53	19.46	20.64
	3H	20.38	21.19	21.29	22.12	23.33	19.16	19.97	20.08	20.91	22.11
	4H	21.01	21.78	21.94	22.71	23.93	19.74	20.51	20.67	21.44	22.65
	6H	21.41	22.12	22.36	23.06	24.29	20.11	20.82	21.05	21.76	22.99
	8H	21.56	22.24	22.51	23.20	24.42	20.25	20.93	21.20	21.89	23.11
	12H	21.64	22.28	22.59	23.23	24.48	20.32	20.96	21.27	21.91	23.16
4H	2H	19.14	19.91	20.08	20.85	22.06	18.27	19.04	19.21	19.97	21.19
	3H	21.02	21.66	21.96	22.63	23.85	20.01	20.65	20.96	21.62	22.84
	4H	21.77	22.35	22.72	23.31	24.56	20.68	21.27	21.64	22.23	23.48
	6H	22.29	22.79	23.26	23.78	25.03	21.16	21.67	22.13	22.65	23.90
	8H	22.49	22.96	23.46	23.94	25.21	21.35	21.82	22.32	22.80	24.07
	12H	22.60	23.03	23.59	24.02	25.29	21.44	21.87	22.43	22.86	24.13
8H	4H	21.93	22.40	22.90	23.37	24.64	20.96	21.43	21.93	22.41	23.68
	6H	22.57	22.96	23.57	23.98	25.24	21.57	21.96	22.56	22.98	24.24
	8H	22.86	23.20	23.86	24.21	25.49	21.84	22.19	22.85	23.19	24.48
	12H	23.04	23.34	24.04	24.34	25.67	22.00	22.30	23.00	23.30	24.63
12H	4H	21.91	22.33	22.90	23.33	24.60	20.97	21.39	21.96	22.39	23.66
	6H	22.60	22.94	23.60	23.95	25.23	21.63	21.98	22.64	22.98	24.26
	8H	22.92	23.22	23.93	24.22	25.55	21.94	22.24	22.95	23.24	24.57