

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: P1439191

Luminaire Tested: CB3-055U-085D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439191
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-085D-835-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

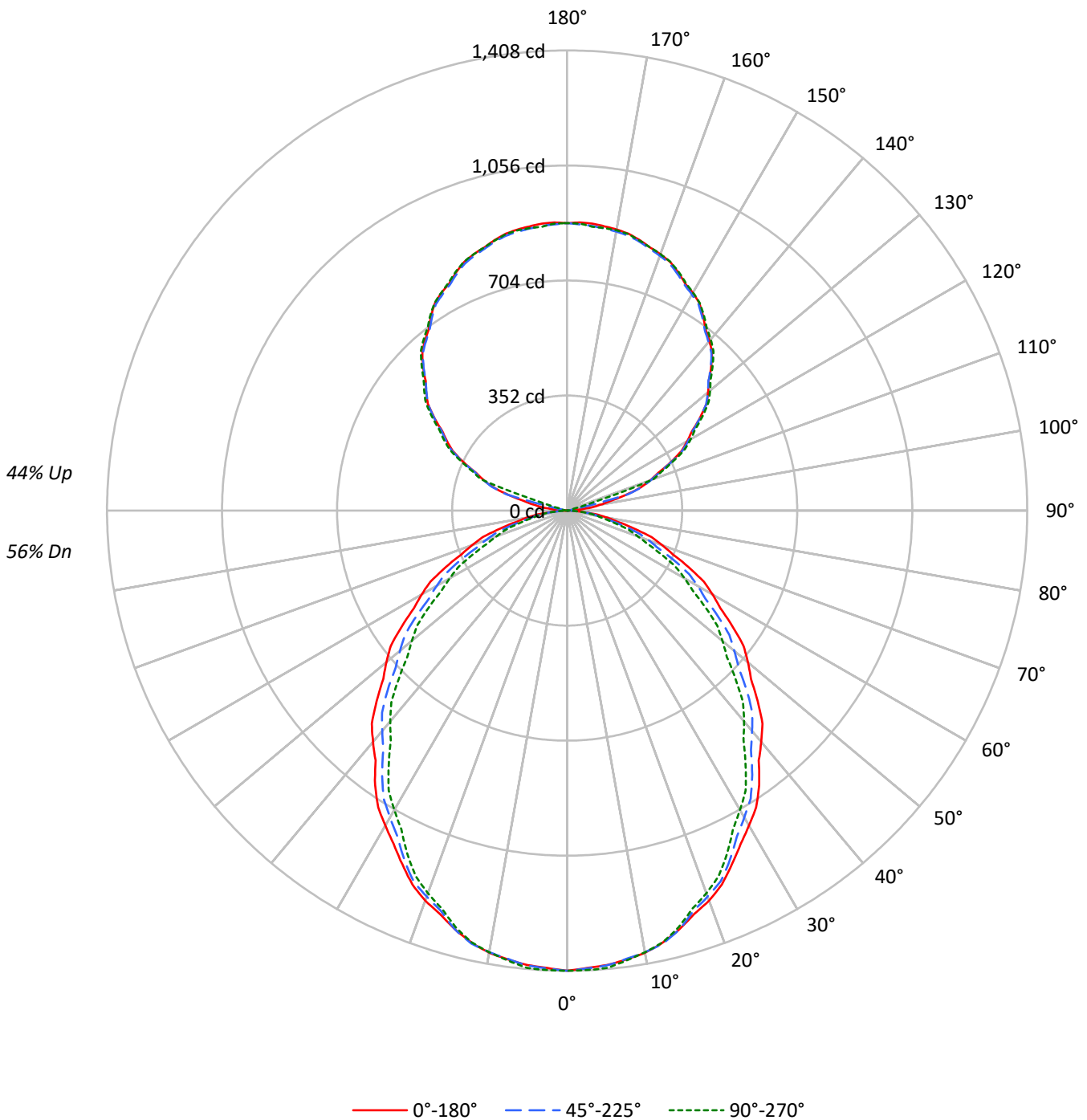
Lumens per Lamp: N/A
Luminaire Lumens: 5966.4 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.6
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									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	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	77	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	41																			
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	35																			
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	36	43	37	33	37	33	29	32	28	26	23																			
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20																			
8	55	43	35	30	51	41	33	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°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	2.2
10°-20°	373.2	6.3
20°-30°	542.3	9.1
30°-40°	616.5	10.3
40°-50°	598.5	10.0
50°-60°	505.3	8.5
60°-70°	359.5	6.0
70°-80°	192.1	3.2
80°-90°	50.8	0.9
90°-100°	20.3	0.3
100°-110°	147.1	2.5
110°-120°	349.7	5.9
120°-130°	446.7	7.5
130°-140°	481.9	8.1
140°-150°	454.3	7.6
150°-160°	370.6	6.2
160°-170°	241.4	4.0
170°-180°	83.5	1.4
0°-30°	1048.3	17.6
0°-40°	1664.8	27.9
0°-60°	2768.6	46.4
0°-90°	3371.0	56.5
90°-120°	517.0	8.7
90°-150°	1899.9	31.8
90°-180°	2595.0	43.5
0°-180°	5966.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1396	1414	1397	1395	1405	133
15°	1327	1339	1327	1319	1319	374
25°	1194	1198	1179	1163	1158	550
35°	1025	1015	987	958	952	639
45°	824	811	777	740	729	636
55°	618	601	563	527	517	553
65°	410	395	361	329	319	406
75°	212	200	176	158	155	226
85°	48	44	42	42	42	57
90°	0	0	0	1	0	3
95°	37	7	9	9	9	46
105°	186	189	192	14	15	196
115°	349	352	353	358	360	345
125°	496	500	498	504	507	443
135°	624	627	622	626	630	480
145°	726	730	721	726	730	454
155°	804	810	799	801	806	371
165°	857	861	852	850	856	242
175°	881	886	874	870	872	84
180°	879	879	879	879	879	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1400.8	1414.9	1402.4	1404.1	1407.2
5°	1396.0	1413.6	1397.0	1395.2	1405.0
7.5°	1385.2	1401.2	1384.0	1380.0	1388.8
10°	1374.0	1391.6	1372.0	1367.1	1372.0
12.5°	1354.0	1372.4	1356.8	1348.7	1352.8
15°	1327.0	1338.7	1327.0	1319.0	1319.0
17.5°	1294.0	1306.3	1284.2	1278.6	1276.4
20°	1270.0	1280.8	1257.0	1248.9	1246.0
22.5°	1238.0	1248.0	1228.2	1214.5	1210.8
25°	1194.0	1197.9	1179.0	1162.9	1158.0
27.5°	1149.8	1150.8	1124.8	1105.3	1098.8
30°	1113.0	1114.0	1084.0	1062.9	1058.0
32.5°	1076.2	1073.3	1044.8	1019.7	1016.4
35°	1025.0	1015.2	987.0	957.9	952.0
37.5°	963.2	957.3	924.0	894.8	886.0
40°	924.0	914.2	880.0	850.8	842.0
42.5°	884.8	873.5	838.4	806.0	796.4
45°	824.0	811.3	777.0	739.8	729.0
47.5°	762.8	748.9	711.2	675.1	663.2
50°	722.0	707.3	668.0	632.7	620.0
52.5°	680.4	665.0	625.6	589.6	579.2
55°	618.0	601.4	563.0	526.8	517.0
57.5°	555.6	539.2	501.0	466.7	455.0
60°	514.0	498.4	461.0	426.7	415.0
62.5°	471.6	456.7	420.2	386.8	375.8
65°	410.0	395.3	361.0	328.8	319.0
67.5°	349.0	336.5	302.6	273.0	265.2
70°	309.0	297.3	265.0	237.8	230.0
72.5°	270.6	258.1	227.4	204.3	198.8
75°	212.0	200.3	176.0	157.9	155.0
77.5°	158.4	148.8	127.8	117.6	116.0
80°	124.0	115.2	99.0	92.0	92.0
82.5°	92.0	84.8	74.2	71.2	71.2
85°	48.0	44.1	42.0	42.0	42.0
87.5°	14.4	14.4	13.6	12.9	12.8
90°	0.0	0.0	0.0	0.6	0.0
92.5°	10.1	3.9	3.2	3.8	3.7
95°	37.1	6.7	8.6	9.3	9.3
97.5°	74.8	73.3	10.1	12.1	12.2
100°	103.4	106.6	10.6	12.6	13.3
102.5°	135.2	137.9	19.6	13.1	13.8
105°	186.2	188.8	191.5	13.9	14.6
107.5°	237.0	238.9	240.7	216.7	81.1
110°	270.4	272.3	273.0	279.7	281.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	301.7	304.1	305.4	311.0	313.3
115°	349.3	351.8	352.6	357.9	359.9
117.5°	394.5	397.2	398.4	402.7	405.8
120°	424.1	427.4	428.1	433.5	436.1
122.5°	453.3	457.1	456.7	461.6	465.2
125°	496.4	499.6	498.4	503.7	507.0
127.5°	537.3	539.3	536.5	543.1	545.8
130°	563.3	565.3	562.0	568.0	571.3
132.5°	587.2	590.2	586.4	591.9	595.1
135°	623.6	626.9	621.6	626.4	630.2
137.5°	656.1	660.0	653.7	659.2	662.6
140°	677.3	681.2	673.3	679.4	683.3
142.5°	696.9	701.8	692.4	697.9	702.4
145°	725.7	730.2	721.0	725.8	729.7
147.5°	753.0	756.9	748.1	751.5	754.2
150°	769.4	773.3	763.5	766.8	770.1
152.5°	782.7	788.1	778.3	780.7	785.5
155°	803.9	810.4	799.2	801.3	806.5
157.5°	823.4	829.2	818.1	819.9	824.4
160°	835.0	840.9	829.7	830.5	835.0
162.5°	844.0	849.4	839.8	838.5	844.0
165°	856.9	861.4	852.3	849.7	855.6
167.5°	867.6	872.8	861.5	859.4	866.0
170°	873.5	878.6	866.8	863.7	870.8
172.5°	877.2	881.8	870.5	866.3	871.9
175°	881.4	886.0	874.1	869.5	872.1
177.5°	882.6	886.2	876.8	872.7	878.9
180°	879.4	879.4	879.4	879.4	879.4



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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	17.35	18.26	18.25	19.18	20.35	16.27	17.18	17.17	18.10	19.28
	3H	19.02	19.83	19.93	20.76	21.96	17.69	18.50	18.60	19.43	20.63
	4H	19.65	20.42	20.58	21.36	22.57	18.21	18.98	19.14	19.91	21.12
	6H	20.04	20.75	20.98	21.69	22.91	18.53	19.24	19.47	20.18	21.40
	8H	20.18	20.85	21.13	21.81	23.03	18.65	19.33	19.60	20.29	21.51
	12H	20.25	20.89	21.20	21.84	23.09	18.73	19.37	19.68	20.32	21.57
4H	2H	17.76	18.53	18.70	19.47	20.68	16.90	17.67	17.84	18.61	19.82
	3H	19.66	20.30	20.60	21.26	22.49	18.53	19.17	19.47	20.13	21.36
	4H	20.41	20.99	21.36	21.95	23.20	19.14	19.72	20.09	20.68	21.93
	6H	20.91	21.42	21.88	22.40	23.65	19.55	20.06	20.52	21.04	22.29
	8H	21.10	21.58	22.07	22.55	23.82	19.72	20.19	20.69	21.17	22.43
	12H	21.20	21.63	22.19	22.62	23.89	19.83	20.25	20.82	21.25	22.52
8H	4H	20.54	21.01	21.51	21.99	23.25	19.40	19.87	20.37	20.85	22.11
	6H	21.16	21.55	22.16	22.57	23.83	19.93	20.32	20.93	21.34	22.60
	8H	21.44	21.78	22.44	22.79	24.07	20.18	20.53	21.19	21.53	22.81
	12H	21.60	21.91	22.61	22.91	24.23	20.36	20.67	21.37	21.67	22.99
12H	4H	20.52	20.94	21.50	21.93	23.20	19.41	19.83	20.39	20.82	22.09
	6H	21.18	21.52	22.18	22.53	23.81	19.99	20.33	20.99	21.34	22.62
	8H	21.48	21.78	22.49	22.78	24.11	20.27	20.58	21.28	21.58	22.90