

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: P1439520

Luminaire Tested: CB3-D-030U-085D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439520
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-8
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

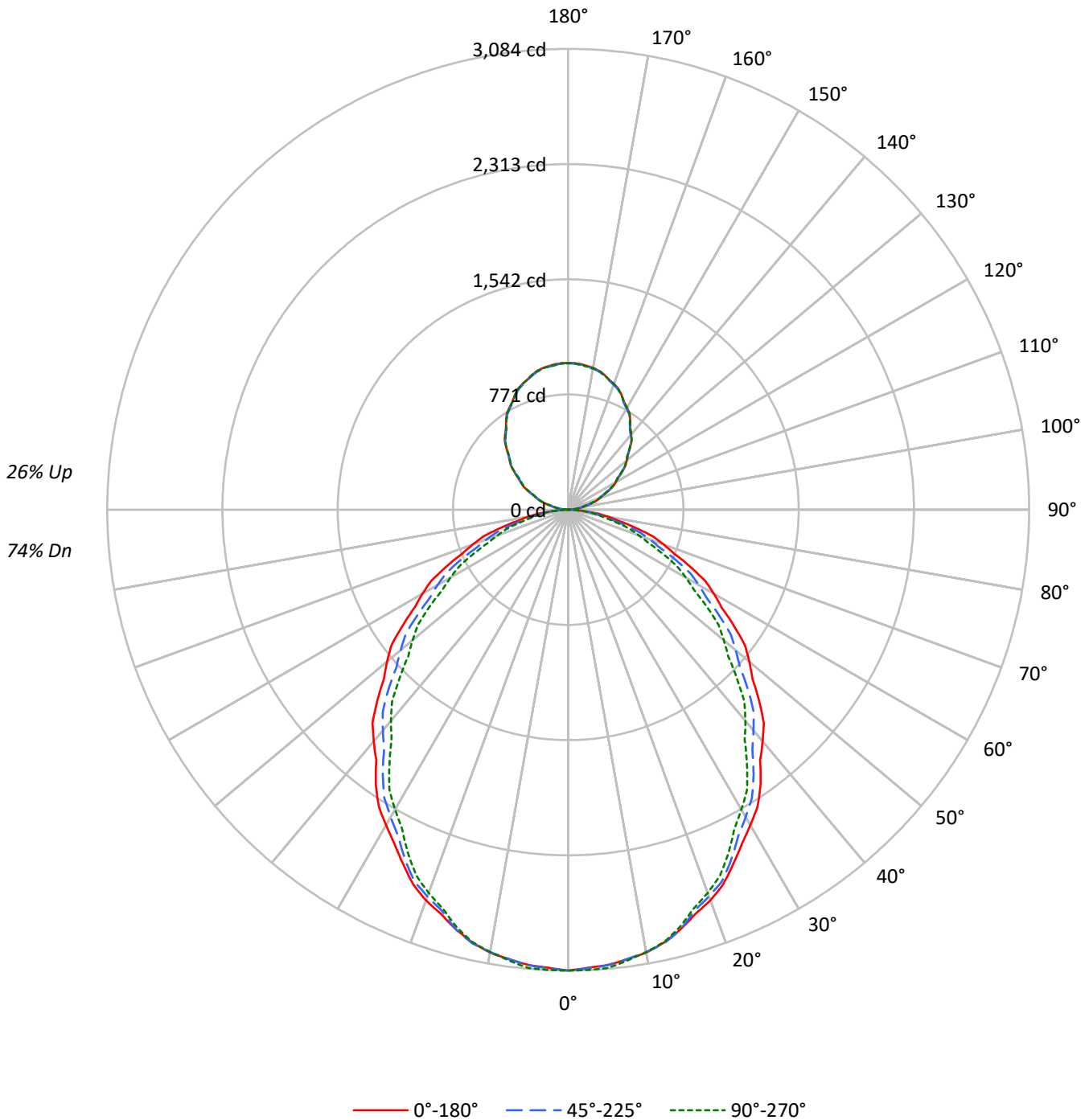
Lumens per Lamp: N/A
Luminaire Lumens: 9910.2 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 69.9
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

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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	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	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	17379	17483
10°	17291	17266	17266
15°	17026	17026	16923
20°	16750	16578	16429
25°	16323	16118	15831
30°	15924	15509	15136
35°	15504	14929	14400
40°	14945	14233	13619
45°	14439	13615	12774
50°	13917	12876	11951
55°	13350	12161	11168
60°	12737	11423	10284
65°	12020	10583	9352
70°	11193	9600	8332
75°	10149	8426	7421
80°	8848	7063	6565
85°	6822	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.0	2.9
10°-20°	817.6	8.3
20°-30°	1187.7	12.0
30°-40°	1350.2	13.6
40°-50°	1310.8	13.2
50°-60°	1106.6	11.2
60°-70°	787.3	7.9
70°-80°	420.7	4.2
80°-90°	111.1	1.1
90°-100°	41.4	0.4
100°-110°	162.1	1.6
110°-120°	288.9	2.9
120°-130°	391.0	3.9
130°-140°	449.5	4.5
140°-150°	451.1	4.6
150°-160°	387.9	3.9
160°-170°	262.6	2.6
170°-180°	92.6	0.9
0°-30°	2296.3	23.2
0°-40°	3646.5	36.8
0°-60°	6063.9	61.2
0°-90°	7383.1	74.5
90°-120°	492.5	5.0
90°-150°	1784.0	18.0
90°-180°	2527.0	25.5
0°-180°	9910.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3084	3084	3084	3084	3084	
5°	3058	3097	3060	3056	3079	290
15°	2907	2933	2907	2890	2890	819
25°	2615	2624	2582	2547	2536	1205
35°	2245	2224	2162	2098	2085	1399
45°	1805	1777	1702	1620	1597	1392
55°	1354	1317	1233	1154	1132	1210
65°	898	866	791	720	699	889
75°	464	439	386	346	340	495
85°	105	97	92	92	92	125
90°	0	0	0	0	0	6
95°	40	36	32	30	31	45
105°	157	156	151	149	147	168
115°	295	296	290	289	288	292
125°	439	444	435	434	435	393
135°	585	591	581	577	583	451
145°	725	731	719	715	722	453
155°	846	853	839	836	844	389
165°	934	942	929	924	934	263
175°	978	987	974	968	971	93
180°	980	980	980	980	980	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3084.4	3084.4	3084.4	3084.4	3084.4
2.5°	3068.7	3099.5	3072.2	3075.8	3082.7
5°	3058.2	3096.7	3060.3	3056.5	3078.6
7.5°	3034.5	3069.6	3031.9	3023.1	3042.4
10°	3010.0	3048.5	3005.6	2994.9	3005.6
12.5°	2966.2	3006.4	2972.3	2954.5	2963.5
15°	2907.0	2932.7	2907.0	2889.5	2889.5
17.5°	2834.8	2861.7	2813.3	2800.9	2796.1
20°	2782.2	2805.8	2753.7	2736.0	2728.9
22.5°	2712.1	2734.0	2690.7	2660.1	2651.8
25°	2615.0	2623.6	2582.1	2546.9	2536.2
27.5°	2518.2	2520.3	2463.4	2420.6	2406.5
30°	2437.6	2439.7	2374.1	2327.9	2317.1
32.5°	2357.0	2350.6	2288.2	2233.3	2226.0
35°	2244.9	2223.5	2161.6	2097.8	2085.0
37.5°	2109.5	2096.7	2023.7	1959.7	1940.4
40°	2023.7	2002.3	1927.3	1863.4	1844.1
42.5°	1937.8	1913.0	1836.2	1765.2	1744.2
45°	1804.7	1776.8	1701.7	1620.2	1596.6
47.5°	1670.6	1640.2	1557.6	1478.6	1452.5
50°	1581.3	1549.1	1463.0	1385.7	1357.9
52.5°	1490.2	1456.3	1370.1	1291.2	1268.5
55°	1353.5	1317.1	1233.0	1153.7	1132.3
57.5°	1216.8	1180.9	1097.2	1022.2	996.5
60°	1125.7	1091.5	1009.6	934.6	908.9
62.5°	1032.9	1000.3	920.3	847.0	823.0
65°	897.9	865.8	790.6	720.1	698.6
67.5°	764.4	736.9	662.7	598.0	580.8
70°	676.7	651.0	580.4	520.9	503.7
72.5°	592.6	565.2	498.0	447.4	435.4
75°	464.3	438.6	385.5	345.9	339.5
77.5°	346.9	325.9	279.9	257.5	254.1
80°	271.6	252.3	216.8	201.5	201.5
82.5°	201.5	185.6	162.5	155.9	155.9
85°	105.1	96.6	92.0	92.0	92.0
87.5°	31.5	31.5	29.8	28.0	28.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.8	9.7	6.0	4.8	4.8
95°	39.8	36.2	32.3	30.1	30.8
97.5°	73.5	70.0	65.3	63.0	63.6
100°	97.0	94.0	88.7	86.5	86.5
102.5°	119.8	118.1	112.8	110.5	111.1
105°	157.1	156.4	151.1	148.8	147.4
107.5°	198.3	197.0	191.1	190.9	189.6
110°	224.8	224.1	218.8	218.0	217.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	251.9	252.9	247.1	246.3	245.6
115°	294.7	296.2	289.5	288.7	288.0
117.5°	338.6	340.7	333.5	332.7	331.4
120°	366.9	371.3	362.4	361.6	360.9
122.5°	395.8	399.6	391.3	389.9	389.8
125°	439.1	444.2	435.3	433.8	434.6
127.5°	482.4	487.7	479.4	476.4	478.0
130°	511.2	517.1	508.2	505.3	507.5
132.5°	540.7	546.6	537.7	534.8	538.2
135°	584.9	590.8	581.2	576.8	582.7
137.5°	628.1	633.2	622.7	619.7	625.8
140°	656.4	661.5	650.3	646.7	654.1
142.5°	684.0	689.8	677.4	673.8	681.8
145°	724.8	730.7	718.8	715.1	721.8
147.5°	763.9	769.9	757.9	753.6	760.4
150°	787.9	794.5	781.9	778.3	785.7
152.5°	811.4	818.6	805.4	801.2	810.3
155°	845.8	853.2	839.1	835.5	844.3
157.5°	876.8	883.6	870.8	867.2	874.8
160°	895.4	902.8	889.4	885.9	894.7
162.5°	911.7	919.0	906.9	902.1	910.9
165°	933.8	941.9	929.3	924.2	933.8
167.5°	952.3	961.0	947.6	943.0	952.6
170°	963.1	971.2	957.8	952.0	961.6
172.5°	970.3	978.4	965.1	959.2	965.8
175°	978.1	987.0	973.6	967.7	971.4
177.5°	981.6	988.7	978.0	972.8	981.0
180°	980.4	980.4	980.4	980.4	980.4

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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	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	21.52	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	21.22	22.06	22.99
	12H	22.04	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