

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: P1439514

Luminaire Tested: CB3-D-030U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439514
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

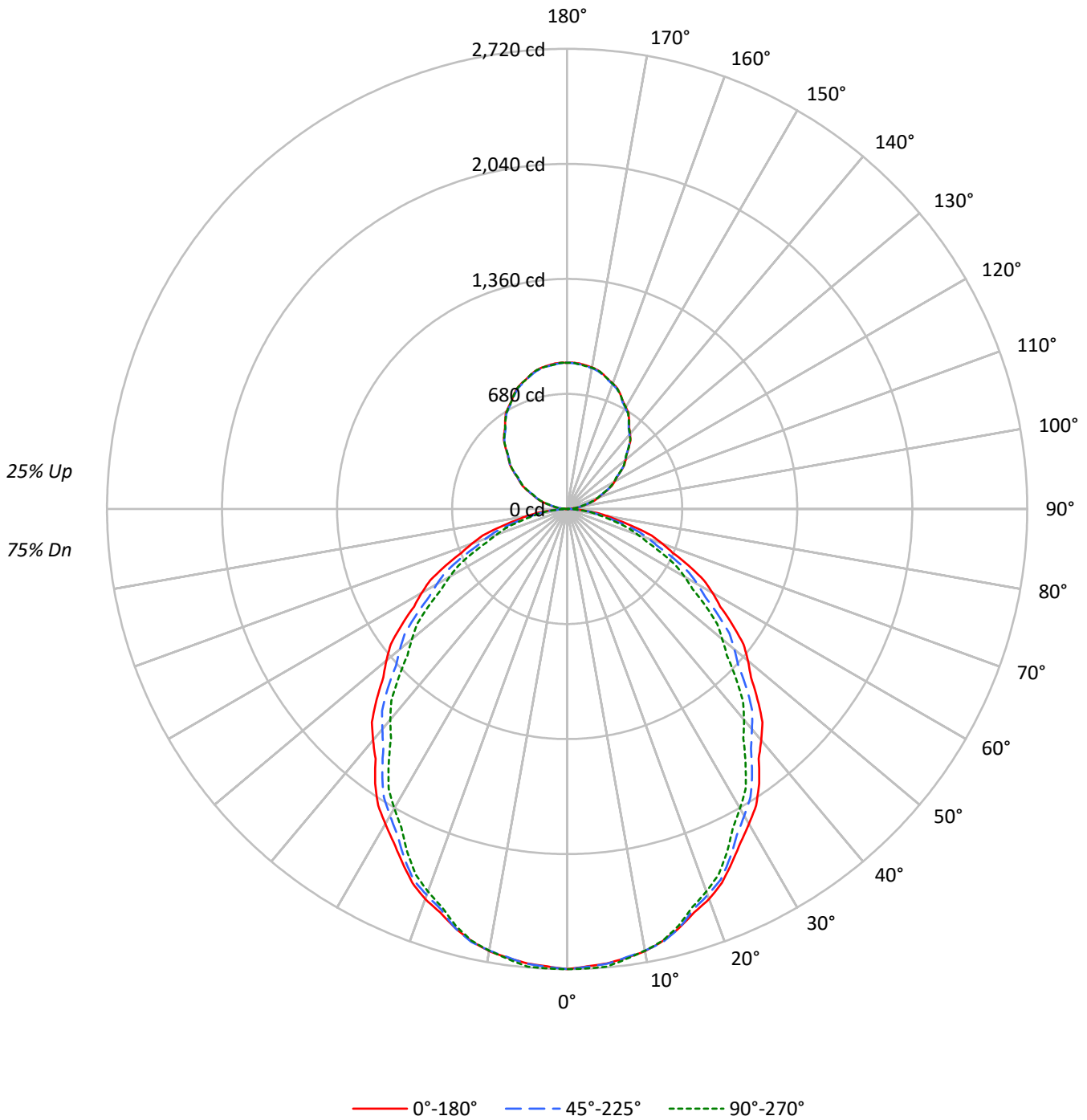
Lumens per Lamp: N/A
Luminaire Lumens: 8738.9 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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	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°	15387	15387	15387
5°	15314	15326	15417
10°	15247	15225	15225
15°	15014	15014	14923
20°	14770	14619	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.6	2.9
10°-20°	721.0	8.3
20°-30°	1047.3	12.0
30°-40°	1190.6	13.6
40°-50°	1155.8	13.2
50°-60°	975.9	11.2
60°-70°	694.3	7.9
70°-80°	371.0	4.2
80°-90°	98.0	1.1
90°-100°	36.5	0.4
100°-110°	142.9	1.6
110°-120°	254.8	2.9
120°-130°	344.8	3.9
130°-140°	396.4	4.5
140°-150°	397.7	4.6
150°-160°	342.1	3.9
160°-170°	231.5	2.6
170°-180°	81.7	0.9
0°-30°	2024.9	23.2
0°-40°	3215.6	36.8
0°-60°	5347.3	61.2
0°-90°	6510.5	74.5
90°-120°	434.2	5.0
90°-150°	1573.1	18.0
90°-180°	2228.0	25.5
0°-180°	8738.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2720	2720	2720	2720	2720	
5°	2697	2731	2699	2695	2715	256
15°	2564	2586	2564	2548	2548	722
25°	2306	2314	2277	2246	2236	1063
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	5
95°	35	32	28	26	27	40
105°	139	138	133	131	130	148
115°	260	261	255	255	254	258
125°	387	392	384	383	383	346
135°	516	521	512	509	514	398
145°	639	644	634	631	636	399
155°	746	752	740	737	744	343
165°	823	831	819	815	823	232
175°	862	870	859	853	857	82
180°	864	864	864	864	864	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2719.9	2719.9	2719.9	2719.9	2719.9
2.5°	2706.0	2733.2	2709.1	2712.3	2718.4
5°	2696.7	2730.7	2698.7	2695.2	2714.8
7.5°	2675.9	2706.8	2673.6	2665.8	2682.8
10°	2654.2	2688.2	2650.4	2640.9	2650.4
12.5°	2615.6	2651.1	2621.0	2605.4	2613.3
15°	2563.5	2586.1	2563.5	2548.0	2548.0
17.5°	2499.7	2523.5	2480.8	2469.9	2465.6
20°	2453.4	2474.2	2428.3	2412.7	2406.4
22.5°	2391.6	2410.8	2372.7	2345.7	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.5	8.5	5.3	4.2	4.2
95°	35.1	31.9	28.5	26.5	27.2
97.5°	64.8	61.7	57.5	55.6	56.1
100°	85.5	82.9	78.2	76.2	76.2
102.5°	105.7	104.1	99.4	97.5	98.0
105°	138.6	137.9	133.3	131.2	129.9
107.5°	174.9	173.7	168.5	168.4	167.2
110°	198.2	197.6	192.9	192.3	191.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	223.0	217.9	217.2	216.5
115°	259.9	261.2	255.2	254.6	253.9
117.5°	298.6	300.4	294.1	293.4	292.2
120°	323.5	327.4	319.6	318.9	318.2
122.5°	349.0	352.4	345.0	343.8	343.7
125°	387.2	391.7	383.9	382.6	383.2
127.5°	425.4	430.0	422.7	420.1	421.5
130°	450.8	456.0	448.2	445.6	447.5
132.5°	476.8	482.0	474.2	471.6	474.6
135°	515.8	521.0	512.5	508.6	513.8
137.5°	553.9	558.4	549.1	546.4	551.9
140°	578.8	583.3	573.5	570.3	576.8
142.5°	603.2	608.2	597.3	594.2	601.2
145°	639.1	644.3	633.8	630.6	636.5
147.5°	673.6	678.9	668.3	664.6	670.5
150°	694.8	700.6	689.5	686.3	692.8
152.5°	715.5	721.8	710.2	706.5	714.6
155°	745.9	752.3	739.9	736.7	744.5
157.5°	773.2	779.1	767.9	764.7	771.4
160°	789.6	796.1	784.3	781.2	788.9
162.5°	803.9	810.4	799.7	795.5	803.3
165°	823.4	830.6	819.4	815.0	823.4
167.5°	839.7	847.4	835.6	831.6	840.0
170°	849.3	856.4	844.6	839.5	848.0
172.5°	855.6	862.8	851.0	845.8	851.7
175°	862.5	870.3	858.6	853.3	856.6
177.5°	865.6	871.8	862.4	857.8	865.1
180°	864.5	864.5	864.5	864.5	864.5



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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	18.66	19.78	19.38	20.51	21.39	17.58	18.70	18.30	19.44	20.31
	3H	20.35	21.35	21.08	22.09	23.00	19.02	20.02	19.75	20.76	21.67
	4H	20.99	21.93	21.74	22.69	23.61	19.55	20.49	20.29	21.24	22.16
	6H	21.39	22.26	22.15	23.02	23.95	19.88	20.75	20.64	21.51	22.44
	8H	21.53	22.36	22.30	23.15	24.08	20.01	20.84	20.78	21.62	22.55
	12H	21.61	22.40	22.39	23.18	24.14	20.09	20.88	20.87	21.66	22.62
4H	2H	19.10	20.05	19.85	20.80	21.72	18.24	19.19	18.99	19.94	20.86
	3H	21.01	21.80	21.78	22.59	23.53	19.88	20.67	20.65	21.46	22.40
	4H	21.77	22.49	22.55	23.28	24.24	20.50	21.22	21.28	22.01	22.97
	6H	22.29	22.91	23.09	23.72	24.69	20.93	21.55	21.72	22.36	23.33
	8H	22.49	23.06	23.29	23.87	24.86	21.10	21.68	21.90	22.49	23.47
	12H	22.60	23.11	23.42	23.95	24.94	21.22	21.74	22.04	22.57	23.56
8H	4H	21.92	22.50	22.72	23.31	24.29	20.78	21.36	21.58	22.17	23.15
	6H	22.55	23.03	23.38	23.88	24.87	21.32	21.80	22.15	22.65	23.64
	8H	22.83	23.25	23.67	24.10	25.10	21.57	22.00	22.42	22.85	23.85
	12H	23.00	23.38	23.85	24.22	25.28	21.76	22.14	22.61	22.98	24.04
12H	4H	21.91	22.43	22.73	23.26	24.25	20.80	21.32	21.62	22.15	23.14
	6H	22.57	22.99	23.41	23.85	24.85	21.38	21.81	22.22	22.66	23.66
	8H	22.88	23.26	23.72	24.10	25.15	21.67	22.05	22.52	22.89	23.95