

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: P1439588

Luminaire Tested: CB3-D-085U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439588
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-085U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

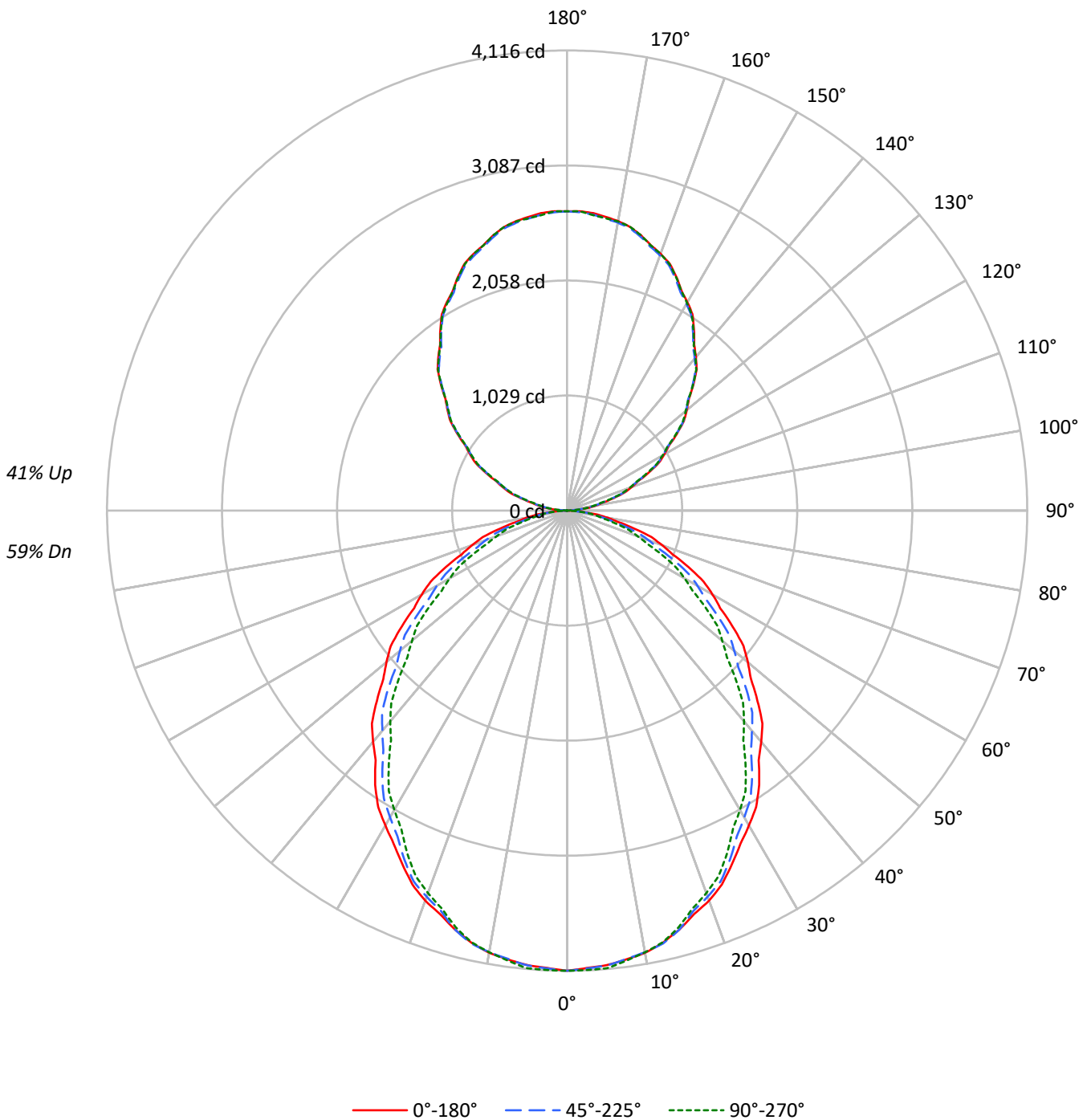
Lumens per Lamp: N/A
Luminaire Lumens: 16749.5 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																												
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																												
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																												
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40	36																												
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																												
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																												
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24																												
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																												
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																												
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19	17																												
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18	16																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23286	23286	23286
5°	23176	23192	23336
10°	23074	23041	23041
15°	22721	22721	22584
20°	22352	22124	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.4	2.3
10°-20°	1091.1	6.5
20°-30°	1584.6	9.5
30°-40°	1801.4	10.8
40°-50°	1748.7	10.4
50°-60°	1476.4	8.8
60°-70°	1050.4	6.3
70°-80°	561.2	3.4
80°-90°	148.3	0.9
90°-100°	113.1	0.7
100°-110°	442.6	2.6
110°-120°	788.8	4.7
120°-130°	1067.4	6.4
130°-140°	1227.2	7.3
140°-150°	1231.4	7.4
150°-160°	1059.0	6.3
160°-170°	716.8	4.3
170°-180°	252.8	1.5
0°-30°	3064.1	18.3
0°-40°	4865.4	29.0
0°-60°	8090.5	48.3
0°-90°	9850.4	58.8
90°-120°	1344.4	8.0
90°-150°	4870.4	29.1
90°-180°	6899.0	41.2
0°-180°	16749.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4116	4116	4116	4116	4116	
5°	4081	4132	4084	4079	4109	387
15°	3879	3914	3879	3856	3856	1093
25°	3489	3500	3445	3398	3384	1608
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	0	0	10
95°	109	99	88	82	84	124
105°	429	427	413	406	402	458
115°	805	809	790	788	786	797
125°	1199	1213	1188	1184	1186	1072
135°	1597	1613	1587	1575	1591	1231
145°	1979	1995	1962	1952	1970	1236
155°	2309	2329	2291	2281	2305	1062
165°	2549	2571	2537	2523	2549	718
175°	2670	2694	2658	2642	2652	253
180°	2676	2676	2676	2676	2676	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4116.1	4116.1	4116.1	4116.1	4116.1
2.5°	4095.0	4136.2	4099.7	4104.6	4113.7
5°	4081.0	4132.4	4083.9	4078.8	4109.3
7.5°	4049.4	4096.3	4045.9	4034.2	4060.0
10°	4016.7	4068.1	4010.9	3996.6	4010.9
12.5°	3958.3	4012.0	3966.5	3942.8	3954.8
15°	3879.4	3913.7	3879.4	3856.0	3856.0
17.5°	3783.0	3819.0	3754.3	3737.8	3731.1
20°	3712.8	3744.3	3674.8	3651.2	3640.7
22.5°	3619.3	3648.5	3590.7	3549.1	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.4	37.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.6	26.3	16.4	13.1	13.1
95°	108.8	98.7	88.3	82.1	84.2
97.5°	200.7	191.1	178.2	172.0	173.6
100°	264.8	256.7	242.2	236.0	236.0
102.5°	327.2	322.4	307.9	301.8	303.4
105°	429.0	427.0	412.6	406.3	402.3
107.5°	541.5	537.8	521.8	521.3	517.6
110°	613.7	611.7	597.3	595.2	593.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	687.6	690.4	674.5	672.4	670.4
115°	804.6	808.6	790.2	788.1	786.1
117.5°	924.5	930.1	910.5	908.4	904.8
120°	1001.6	1013.7	989.3	987.2	985.2
122.5°	1080.4	1090.9	1068.1	1064.4	1064.0
125°	1198.7	1212.7	1188.4	1184.4	1186.4
127.5°	1316.9	1331.3	1308.7	1300.6	1305.0
130°	1395.7	1411.8	1387.5	1379.4	1385.5
132.5°	1476.2	1492.2	1468.0	1460.0	1469.2
135°	1596.9	1612.9	1586.6	1574.7	1590.7
137.5°	1714.7	1728.7	1699.9	1691.7	1708.5
140°	1791.9	1805.9	1775.4	1765.6	1785.7
142.5°	1867.4	1883.0	1849.3	1839.6	1861.2
145°	1978.6	1994.7	1962.2	1952.4	1970.4
147.5°	2085.4	2101.8	2068.9	2057.5	2075.9
150°	2151.0	2169.1	2134.6	2124.8	2144.9
152.5°	2215.1	2234.8	2198.7	2187.3	2212.2
155°	2309.1	2329.2	2290.6	2280.9	2305.0
157.5°	2393.7	2412.1	2377.2	2367.4	2388.3
160°	2444.6	2464.6	2428.1	2418.4	2442.5
162.5°	2488.9	2509.0	2475.8	2462.8	2486.8
165°	2549.2	2571.3	2536.9	2523.1	2549.2
167.5°	2599.7	2623.4	2587.0	2574.5	2600.5
170°	2629.3	2651.4	2614.9	2599.1	2625.2
172.5°	2649.0	2671.1	2634.6	2618.6	2636.7
175°	2670.3	2694.4	2658.0	2641.8	2651.9
177.5°	2679.8	2699.0	2669.9	2655.7	2678.1
180°	2676.5	2676.5	2676.5	2676.5	2676.5



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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	18.86	19.79	19.74	20.69	21.83	17.78	18.72	18.66	19.62	20.76
	3H	20.53	21.37	21.43	22.28	23.44	19.20	20.04	20.09	20.95	22.11
	4H	21.17	21.96	22.08	22.87	24.05	19.72	20.51	20.63	21.43	22.60
	6H	21.56	22.28	22.48	23.21	24.39	20.04	20.77	20.96	21.69	22.88
	8H	21.70	22.39	22.62	23.33	24.51	20.17	20.86	21.10	21.80	22.99
	12H	21.77	22.43	22.70	23.36	24.57	20.25	20.91	21.18	21.84	23.05
4H	2H	19.28	20.07	20.19	20.98	22.16	18.42	19.21	19.33	20.12	21.30
	3H	21.17	21.83	22.10	22.78	23.97	20.05	20.70	20.97	21.65	22.84
	4H	21.93	22.53	22.86	23.47	24.68	20.66	21.26	21.59	22.20	23.41
	6H	22.43	22.95	23.38	23.91	25.13	21.07	21.59	22.02	22.55	23.77
	8H	22.63	23.11	23.58	24.07	25.30	21.24	21.73	22.19	22.68	23.91
	12H	22.73	23.16	23.70	24.14	25.37	21.35	21.79	22.32	22.76	24.00
8H	4H	22.06	22.54	23.01	23.50	24.73	20.92	21.41	21.87	22.36	23.59
	6H	22.68	23.08	23.66	24.08	25.31	21.45	21.85	22.43	22.85	24.08
	8H	22.96	23.31	23.94	24.30	25.55	21.71	22.06	22.69	23.05	24.30
	12H	23.13	23.44	24.12	24.42	25.71	21.89	22.20	22.87	23.18	24.47
12H	4H	22.04	22.47	23.01	23.45	24.68	20.93	21.36	21.90	22.34	23.57
	6H	22.70	23.05	23.69	24.04	25.29	21.51	21.86	22.50	22.85	24.10
	8H	23.00	23.31	23.99	24.30	25.59	21.80	22.11	22.78	23.09	24.38