

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: P1439589

Luminaire Tested: CB3-D-085U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439589
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-935-1D-UNV-STD-W-4
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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

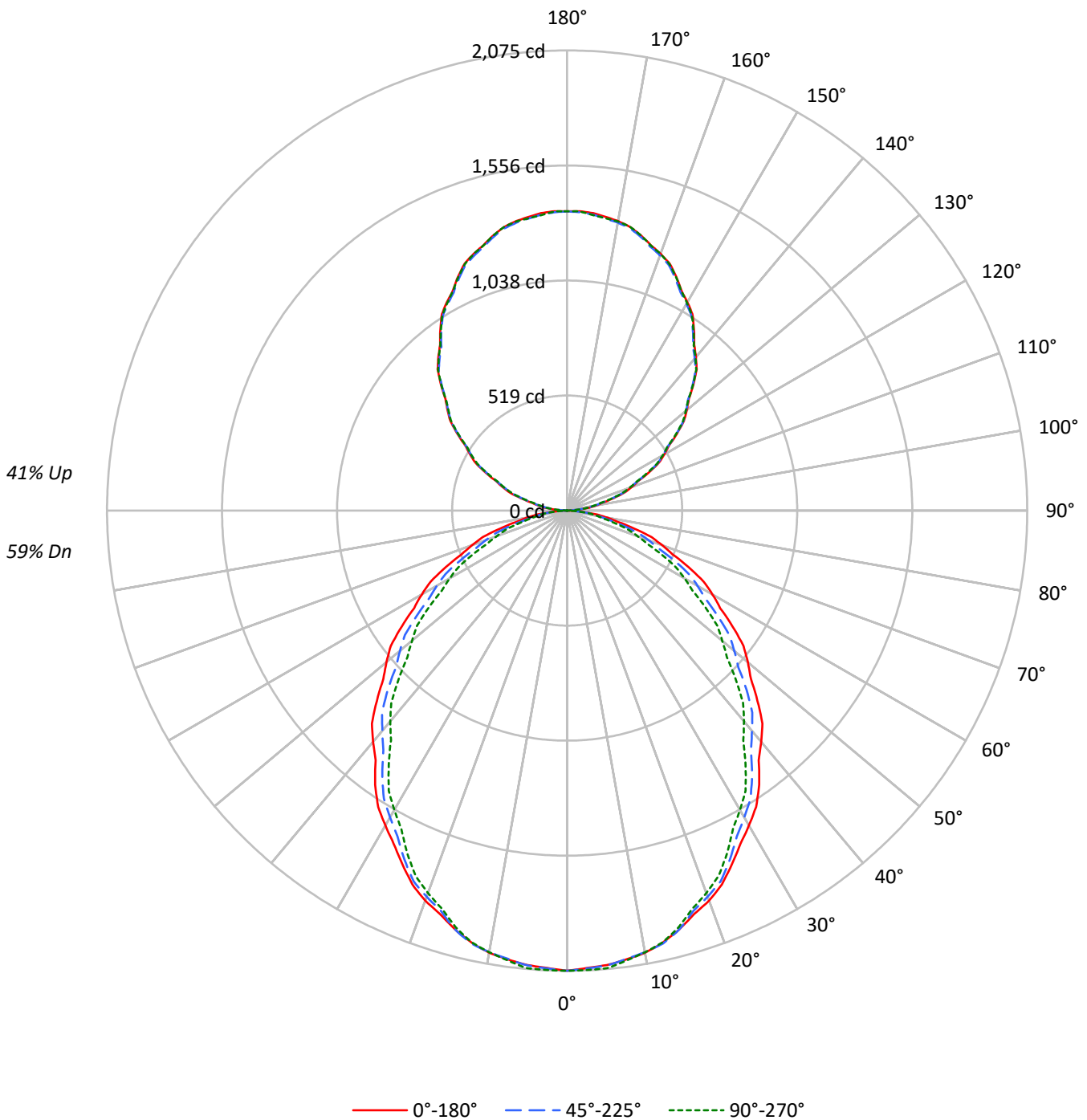
Lumens per Lamp: N/A
Luminaire Lumens: 8443.6 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
Input Voltage (V): 120
Input Current (Ain): 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	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°	23478	23478	23478
5°	23366	23383	23529
10°	23264	23230	23230
15°	22907	22907	22770
20°	22537	22305	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.8	2.3
10°-20°	550.0	6.5
20°-30°	798.8	9.5
30°-40°	908.1	10.8
40°-50°	881.5	10.4
50°-60°	744.3	8.8
60°-70°	529.5	6.3
70°-80°	282.9	3.4
80°-90°	74.8	0.9
90°-100°	57.0	0.7
100°-110°	223.1	2.6
110°-120°	397.6	4.7
120°-130°	538.1	6.4
130°-140°	618.6	7.3
140°-150°	620.8	7.4
150°-160°	533.9	6.3
160°-170°	361.4	4.3
170°-180°	127.5	1.5
0°-30°	1544.6	18.3
0°-40°	2452.7	29.0
0°-60°	4078.5	48.3
0°-90°	4965.8	58.8
90°-120°	677.7	8.0
90°-150°	2455.2	29.1
90°-180°	3478.0	41.2
0°-180°	8443.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2075	2075	2075	2075	2075	
5°	2057	2083	2059	2056	2072	195
15°	1956	1973	1956	1944	1944	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	0	0	5
95°	55	50	44	41	42	63
105°	216	215	208	205	203	231
115°	406	408	398	397	396	402
125°	604	611	599	597	598	540
135°	805	813	800	794	802	621
145°	998	1006	989	984	993	623
155°	1164	1174	1155	1150	1162	535
165°	1285	1296	1279	1272	1285	362
175°	1346	1358	1340	1332	1337	128
180°	1349	1349	1349	1349	1349	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2075.0	2075.0	2075.0	2075.0	2075.0
2.5°	2064.4	2085.1	2066.7	2069.2	2073.8
5°	2057.3	2083.2	2058.8	2056.2	2071.6
7.5°	2041.4	2065.0	2039.6	2033.7	2046.7
10°	2024.9	2050.8	2021.9	2014.7	2021.9
12.5°	1995.4	2022.5	1999.5	1987.6	1993.7
15°	1955.6	1972.9	1955.6	1943.9	1943.9
17.5°	1907.0	1925.2	1892.6	1884.3	1880.9
20°	1871.7	1887.5	1852.5	1840.6	1835.3
22.5°	1824.6	1839.2	1810.1	1789.1	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.9	13.3	8.3	6.6	6.6
95°	54.8	49.8	44.5	41.4	42.4
97.5°	101.2	96.3	89.8	86.7	87.5
100°	133.5	129.4	122.1	119.0	119.0
102.5°	164.9	162.5	155.2	152.1	152.9
105°	216.3	215.2	208.0	204.8	202.8
107.5°	273.0	271.1	263.0	262.8	261.0
110°	309.4	308.4	301.1	300.0	299.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	346.6	348.0	340.0	338.9	337.9
115°	405.6	407.6	398.4	397.3	396.3
117.5°	466.0	468.9	459.0	457.9	456.1
120°	504.9	511.0	498.7	497.7	496.7
122.5°	544.7	549.9	538.5	536.6	536.4
125°	604.3	611.3	599.1	597.0	598.1
127.5°	663.9	671.2	659.7	655.6	657.9
130°	703.6	711.7	699.5	695.4	698.4
132.5°	744.2	752.3	740.0	736.0	740.6
135°	805.0	813.1	799.8	793.8	801.9
137.5°	864.4	871.5	856.9	852.8	861.3
140°	903.3	910.4	895.0	890.1	900.2
142.5°	941.4	949.3	932.3	927.3	938.3
145°	997.5	1005.5	989.2	984.2	993.3
147.5°	1051.3	1059.6	1043.0	1037.2	1046.5
150°	1084.4	1093.5	1076.1	1071.1	1081.3
152.5°	1116.7	1126.6	1108.4	1102.7	1115.2
155°	1164.0	1174.2	1154.7	1149.8	1162.0
157.5°	1206.7	1216.0	1198.4	1193.5	1204.0
160°	1232.3	1242.5	1224.1	1219.2	1231.3
162.5°	1254.7	1264.8	1248.1	1241.5	1253.6
165°	1285.1	1296.2	1278.9	1272.0	1285.1
167.5°	1310.6	1322.5	1304.1	1297.8	1311.0
170°	1325.5	1336.6	1318.2	1310.2	1323.4
172.5°	1335.4	1346.5	1328.1	1320.1	1329.2
175°	1346.2	1358.3	1339.9	1331.8	1336.8
177.5°	1350.9	1360.6	1345.9	1338.8	1350.1
180°	1349.3	1349.3	1349.3	1349.3	1349.3



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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	18.89	19.82	19.77	20.72	21.86	17.81	18.75	18.69	19.64	20.79
	3H	20.56	21.40	21.45	22.31	23.47	19.23	20.07	20.12	20.98	22.14
	4H	21.20	21.99	22.10	22.90	24.08	19.75	20.54	20.66	21.46	22.63
	6H	21.59	22.31	22.50	23.23	24.42	20.07	20.80	20.99	21.72	22.91
	8H	21.72	22.42	22.65	23.36	24.54	20.20	20.89	21.13	21.83	23.02
	12H	21.79	22.45	22.73	23.39	24.60	20.28	20.94	21.21	21.87	23.08
4H	2H	19.31	20.10	20.22	21.01	22.19	18.45	19.24	19.36	20.15	21.33
	3H	21.20	21.86	22.13	22.81	24.00	20.07	20.73	21.00	21.68	22.87
	4H	21.96	22.56	22.89	23.50	24.71	20.68	21.28	21.62	22.22	23.44
	6H	22.46	22.98	23.41	23.94	25.16	21.10	21.62	22.05	22.58	23.80
	8H	22.65	23.14	23.60	24.10	25.33	21.27	21.75	22.22	22.71	23.94
	12H	22.76	23.19	23.72	24.17	25.40	21.38	21.82	22.35	22.79	24.03
8H	4H	22.09	22.57	23.04	23.53	24.76	20.95	21.43	21.90	22.39	23.62
	6H	22.71	23.11	23.69	24.11	25.34	21.48	21.88	22.46	22.88	24.11
	8H	22.99	23.34	23.97	24.33	25.58	21.73	22.09	22.72	23.08	24.32
	12H	23.16	23.47	24.14	24.45	25.74	21.91	22.23	22.90	23.21	24.50
12H	4H	22.07	22.50	23.04	23.48	24.71	20.96	21.39	21.93	22.37	23.60
	6H	22.73	23.08	23.71	24.07	25.32	21.54	21.89	22.52	22.88	24.13
	8H	23.03	23.34	24.02	24.32	25.62	21.83	22.14	22.81	23.12	24.41