

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: P1439591

Luminaire Tested: CB3-D-085U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439591
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

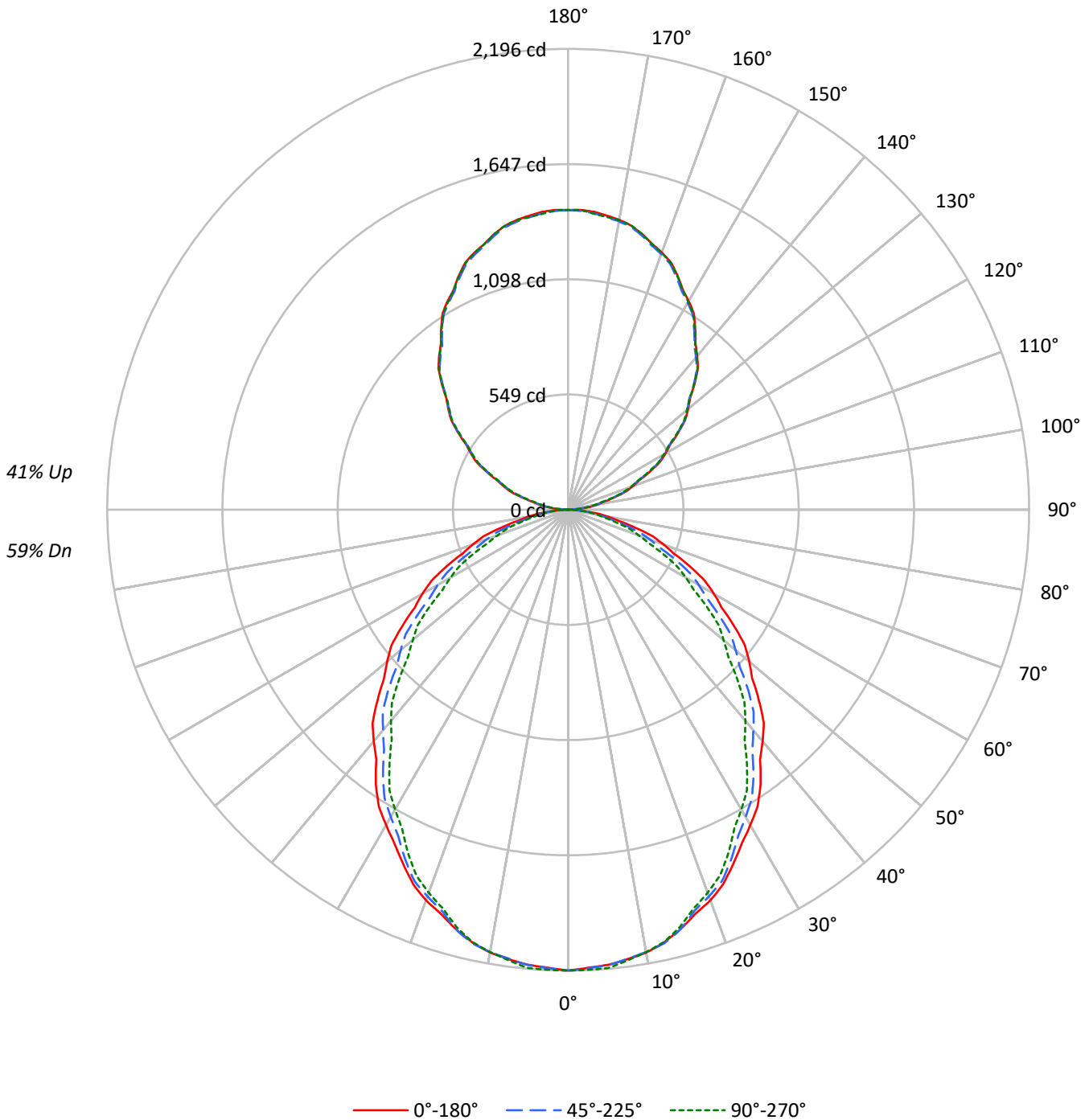
Lumens per Lamp: N/A
Luminaire Lumens: 8936.1 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
Input Voltage (V): 120
Input Current (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	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°	24847	24847	24847
5°	24729	24746	24901
10°	24621	24586	24586
15°	24244	24244	24097
20°	23851	23607	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.2	2.3
10°-20°	582.1	6.5
20°-30°	845.4	9.5
30°-40°	961.1	10.8
40°-50°	933.0	10.4
50°-60°	787.7	8.8
60°-70°	560.4	6.3
70°-80°	299.4	3.4
80°-90°	79.1	0.9
90°-100°	60.4	0.7
100°-110°	236.1	2.6
110°-120°	420.8	4.7
120°-130°	569.5	6.4
130°-140°	654.7	7.3
140°-150°	657.0	7.4
150°-160°	565.0	6.3
160°-170°	382.4	4.3
170°-180°	134.9	1.5
0°-30°	1634.7	18.3
0°-40°	2595.8	29.0
0°-60°	4316.4	48.3
0°-90°	5255.4	58.8
90°-120°	717.3	8.0
90°-150°	2598.4	29.1
90°-180°	3681.0	41.2
0°-180°	8936.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2177	2205	2179	2176	2192	207
15°	2070	2088	2070	2057	2057	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	0	0	5
95°	58	53	47	44	45	66
105°	229	228	220	217	215	244
115°	429	431	422	420	419	425
125°	640	647	634	632	633	572
135°	852	860	846	840	849	657
145°	1056	1064	1047	1042	1051	660
155°	1232	1243	1222	1217	1230	567
165°	1360	1372	1354	1346	1360	383
175°	1425	1438	1418	1410	1415	135
180°	1428	1428	1428	1428	1428	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2196.0	2196.0	2196.0	2196.0	2196.0
2.5°	2184.8	2206.7	2187.3	2189.9	2194.7
5°	2177.3	2204.7	2178.8	2176.1	2192.4
7.5°	2160.4	2185.4	2158.6	2152.3	2166.1
10°	2143.0	2170.4	2139.9	2132.2	2139.9
12.5°	2111.8	2140.5	2116.2	2103.5	2109.9
15°	2069.7	2088.0	2069.7	2057.2	2057.2
17.5°	2018.3	2037.5	2003.0	1994.2	1990.6
20°	1980.9	1997.6	1960.6	1948.0	1942.4
22.5°	1931.0	1946.5	1915.7	1893.5	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	14.1	8.8	7.0	7.0
95°	58.0	52.7	47.1	43.8	44.9
97.5°	107.1	102.0	95.1	91.8	92.6
100°	141.3	137.0	129.2	125.9	125.9
102.5°	174.6	172.0	164.3	161.0	161.8
105°	228.9	227.8	220.1	216.8	214.6
107.5°	288.9	286.9	278.4	278.1	276.2
110°	327.4	326.4	318.7	317.5	316.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	366.8	368.3	359.8	358.7	357.6
115°	429.3	431.4	421.6	420.5	419.4
117.5°	493.2	496.2	485.8	484.6	482.7
120°	534.4	540.8	527.8	526.7	525.6
122.5°	576.4	582.0	569.9	567.9	567.7
125°	639.5	647.0	634.0	631.9	632.9
127.5°	702.6	710.3	698.2	693.9	696.2
130°	744.6	753.2	740.3	736.0	739.2
132.5°	787.6	796.1	783.2	778.9	783.8
135°	852.0	860.5	846.5	840.1	848.7
137.5°	914.8	922.3	906.9	902.5	911.5
140°	956.0	963.5	947.2	942.0	952.7
142.5°	996.3	1004.6	986.6	981.4	993.0
145°	1055.6	1064.2	1046.9	1041.6	1051.3
147.5°	1112.6	1121.4	1103.8	1097.7	1107.5
150°	1147.6	1157.3	1138.9	1133.6	1144.3
152.5°	1181.8	1192.3	1173.0	1167.0	1180.3
155°	1231.9	1242.6	1222.1	1216.9	1229.8
157.5°	1277.1	1286.9	1268.3	1263.1	1274.2
160°	1304.2	1314.9	1295.5	1290.3	1303.1
162.5°	1327.9	1338.6	1320.9	1313.9	1326.8
165°	1360.1	1371.8	1353.5	1346.1	1360.1
167.5°	1387.0	1399.6	1380.2	1373.5	1387.4
170°	1402.8	1414.5	1395.1	1386.7	1400.6
172.5°	1413.3	1425.1	1405.6	1397.1	1406.7
175°	1424.7	1437.5	1418.1	1409.5	1414.8
177.5°	1429.7	1440.0	1424.5	1416.8	1428.8
180°	1428.0	1428.0	1428.0	1428.0	1428.0



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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	19.09	20.02	19.97	20.92	22.06	18.01	18.94	18.89	19.84	20.98
	3H	20.76	21.60	21.65	22.50	23.67	19.43	20.26	20.32	21.17	22.34
	4H	21.39	22.18	22.30	23.10	24.27	19.95	20.74	20.86	21.65	22.83
	6H	21.78	22.51	22.70	23.43	24.62	20.27	21.00	21.19	21.92	23.11
	8H	21.92	22.61	22.85	23.55	24.74	20.40	21.09	21.32	22.03	23.21
	12H	21.99	22.65	22.92	23.58	24.80	20.47	21.13	21.41	22.06	23.28
4H	2H	19.50	20.29	20.42	21.21	22.38	18.65	19.44	19.56	20.35	21.53
	3H	21.40	22.06	22.32	23.00	24.19	20.27	20.93	21.19	21.87	23.07
	4H	22.15	22.75	23.09	23.69	24.91	20.88	21.48	21.81	22.42	23.64
	6H	22.66	23.18	23.61	24.14	25.36	21.30	21.81	22.24	22.78	23.99
	8H	22.85	23.33	23.80	24.29	25.52	21.47	21.95	22.42	22.91	24.14
	12H	22.95	23.39	23.92	24.36	25.60	21.58	22.01	22.55	22.99	24.22
8H	4H	22.29	22.77	23.24	23.73	24.96	21.15	21.63	22.10	22.59	23.82
	6H	22.91	23.31	23.88	24.31	25.54	21.68	22.08	22.65	23.08	24.31
	8H	23.18	23.54	24.17	24.53	25.77	21.93	22.28	22.92	23.27	24.52
	12H	23.35	23.66	24.34	24.65	25.94	22.11	22.42	23.10	23.40	24.70
12H	4H	22.26	22.70	23.23	23.67	24.91	21.15	21.59	22.12	22.56	23.80
	6H	22.93	23.28	23.91	24.27	25.51	21.74	22.09	22.72	23.08	24.33
	8H	23.23	23.54	24.22	24.52	25.82	22.02	22.33	23.01	23.31	24.61