

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: P1439552

Luminaire Tested: CB3-D-055U-085D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439552
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-055U-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 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

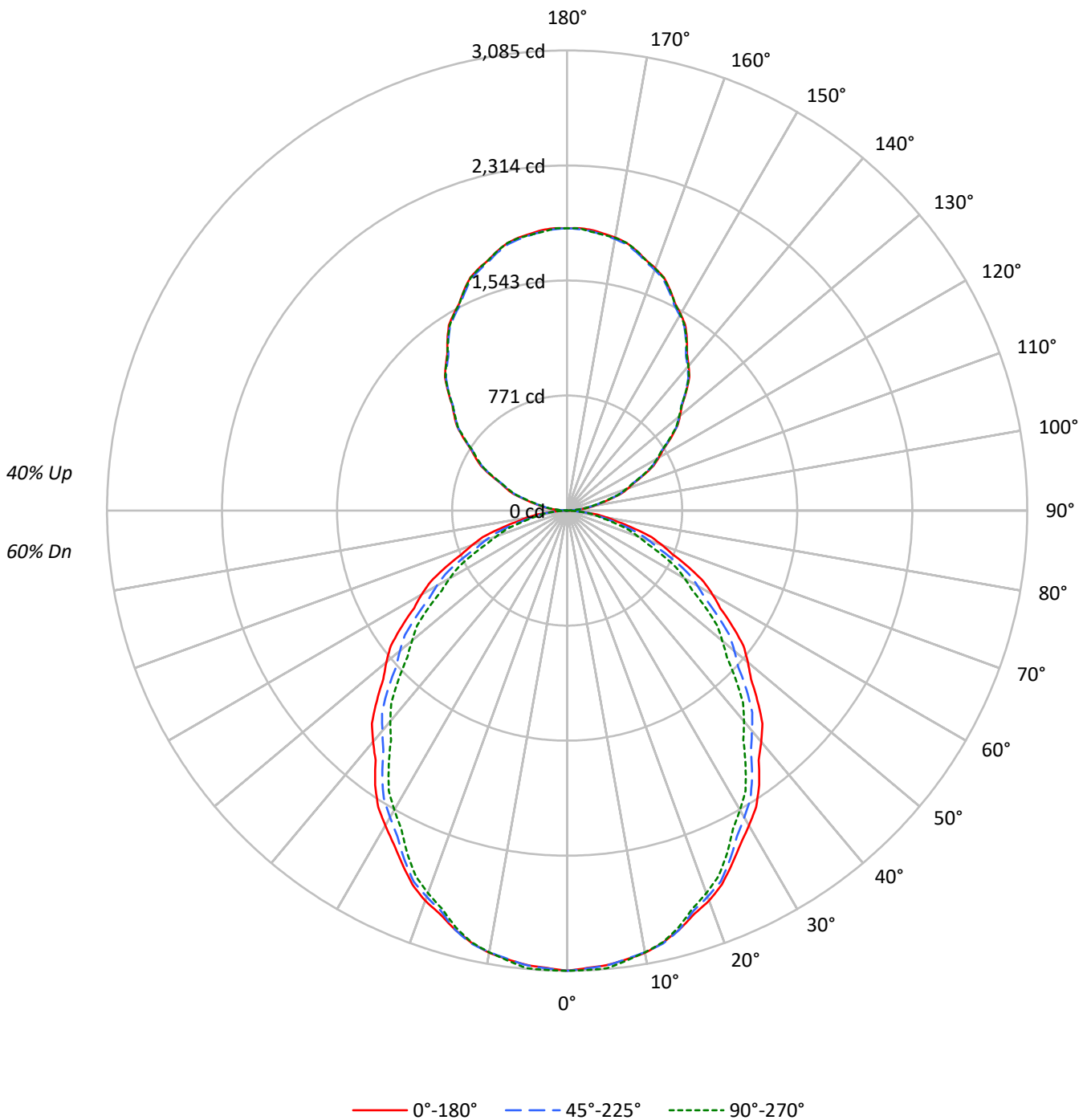
Lumens per Lamp: N/A
Luminaire Lumens: 12262.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 88.5
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				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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17453	17453	17453
5°	17371	17383	17491
10°	17295	17270	17270
15°	17030	17030	16927
20°	16754	16582	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°	291.1	2.4
10°-20°	817.8	6.7
20°-30°	1187.8	9.7
30°-40°	1350.2	11.0
40°-50°	1310.8	10.7
50°-60°	1106.6	9.0
60°-70°	787.3	6.4
70°-80°	420.7	3.4
80°-90°	111.1	0.9
90°-100°	80.0	0.7
100°-110°	312.9	2.6
110°-120°	557.8	4.5
120°-130°	754.8	6.2
130°-140°	867.8	7.1
140°-150°	870.8	7.1
150°-160°	748.9	6.1
160°-170°	506.9	4.1
170°-180°	178.8	1.5
0°-30°	2296.6	18.7
0°-40°	3646.9	29.7
0°-60°	6064.3	49.5
0°-90°	7383.4	60.2
90°-120°	950.7	7.8
90°-150°	3444.1	28.1
90°-180°	4879.0	39.8
0°-180°	12262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3085	3085	3085	3085	3085	
5°	3059	3097	3061	3057	3080	290
15°	2908	2933	2908	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	7
95°	77	70	62	58	60	88
105°	303	302	292	287	284	324
115°	569	572	559	557	556	564
125°	848	858	840	838	839	758
135°	1129	1141	1122	1114	1125	871
145°	1399	1410	1388	1381	1393	874
155°	1633	1647	1620	1613	1630	751
165°	1803	1818	1794	1784	1803	508
175°	1888	1905	1880	1868	1875	179
180°	1893	1893	1893	1893	1893	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3085.1	3085.1	3085.1	3085.1	3085.1
2.5°	3069.4	3100.2	3072.9	3076.5	3083.4
5°	3058.9	3097.4	3061.0	3057.2	3080.0
7.5°	3035.2	3070.3	3032.6	3023.8	3043.1
10°	3010.7	3049.2	3006.3	2995.6	3006.3
12.5°	2966.9	3007.1	2973.0	2955.2	2964.2
15°	2907.7	2933.4	2907.7	2890.2	2890.2
17.5°	2835.5	2862.4	2814.0	2801.6	2796.6
20°	2782.9	2806.5	2754.4	2736.7	2728.9
22.5°	2712.8	2734.7	2691.4	2660.2	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°	20.9	18.6	11.6	9.3	9.3
95°	76.9	69.8	62.4	58.1	59.5
97.5°	142.0	135.1	126.0	121.7	122.8
100°	187.2	181.6	171.3	166.9	166.9
102.5°	231.4	228.0	217.7	213.4	214.5
105°	303.3	301.9	291.7	287.3	284.5
107.5°	382.9	380.3	369.0	368.6	366.1
110°	434.0	432.6	422.4	420.9	419.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	486.2	488.2	476.9	475.5	474.0
115°	569.0	571.8	558.8	557.3	555.9
117.5°	653.7	657.7	643.9	642.3	639.8
120°	708.3	716.8	699.6	698.1	696.7
122.5°	764.0	771.4	755.3	752.7	752.4
125°	847.6	857.6	840.4	837.5	838.9
127.5°	931.2	941.5	925.4	919.7	922.8
130°	987.0	998.3	981.2	975.5	979.7
132.5°	1043.9	1055.2	1038.1	1032.4	1038.9
135°	1129.2	1140.6	1122.0	1113.5	1124.9
137.5°	1212.5	1222.5	1202.1	1196.3	1208.2
140°	1267.1	1277.0	1255.5	1248.6	1262.7
142.5°	1320.5	1331.6	1307.7	1300.8	1316.2
145°	1399.2	1410.5	1387.6	1380.6	1393.4
147.5°	1474.7	1486.3	1463.0	1454.9	1468.0
150°	1521.1	1533.9	1509.5	1502.6	1516.7
152.5°	1566.4	1580.3	1554.8	1546.8	1564.4
155°	1632.9	1647.1	1619.8	1612.9	1630.0
157.5°	1692.7	1705.7	1681.1	1674.1	1688.9
160°	1728.7	1742.9	1717.0	1710.2	1727.2
162.5°	1760.0	1774.2	1750.7	1741.5	1758.6
165°	1802.7	1818.3	1794.0	1784.2	1802.7
167.5°	1838.4	1855.1	1829.4	1820.5	1839.0
170°	1859.3	1874.9	1849.1	1837.9	1856.4
172.5°	1873.2	1888.8	1863.1	1851.7	1864.5
175°	1888.3	1905.3	1879.6	1868.2	1875.3
177.5°	1895.0	1908.6	1888.0	1877.9	1893.8
180°	1892.7	1892.7	1892.7	1892.7	1892.7



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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	17.98	18.92	18.84	19.81	20.93	16.90	17.85	17.77	18.73	19.85
	3H	19.65	20.50	20.53	21.40	22.54	18.32	19.17	19.20	20.06	21.21
	4H	20.29	21.09	21.18	21.99	23.14	18.84	19.64	19.74	20.54	21.70
	6H	20.67	21.41	21.58	22.32	23.49	19.16	19.90	20.07	20.81	21.98
	8H	20.81	21.52	21.73	22.44	23.61	19.29	19.99	20.20	20.92	22.09
	12H	20.88	21.55	21.80	22.47	23.67	19.37	20.04	20.29	20.96	22.15
4H	2H	18.40	19.20	19.30	20.10	21.25	17.54	18.34	18.44	19.24	20.40
	3H	20.29	20.96	21.20	21.90	23.06	19.16	19.83	20.07	20.77	21.94
	4H	21.05	21.66	21.97	22.58	23.78	19.77	20.38	20.70	21.31	22.51
	6H	21.55	22.08	22.49	23.03	24.23	20.19	20.72	21.13	21.67	22.87
	8H	21.75	22.24	22.68	23.18	24.39	20.36	20.85	21.30	21.80	23.01
	12H	21.85	22.29	22.80	23.25	24.47	20.47	20.92	21.43	21.88	23.09
8H	4H	21.18	21.67	22.12	22.62	23.83	20.04	20.53	20.98	21.48	22.69
	6H	21.80	22.21	22.77	23.20	24.41	20.57	20.98	21.54	21.97	23.18
	8H	22.08	22.44	23.05	23.42	24.64	20.83	21.19	21.80	22.16	23.39
	12H	22.25	22.56	23.23	23.54	24.81	21.01	21.32	21.98	22.29	23.57
12H	4H	21.16	21.60	22.12	22.57	23.78	20.05	20.49	21.01	21.46	22.67
	6H	21.82	22.18	22.79	23.16	24.38	20.63	20.99	21.61	21.97	23.20
	8H	22.13	22.44	23.10	23.41	24.69	20.92	21.23	21.89	22.21	23.48