

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: P1439510

Luminaire Tested: CB3-D-030U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439510
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-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

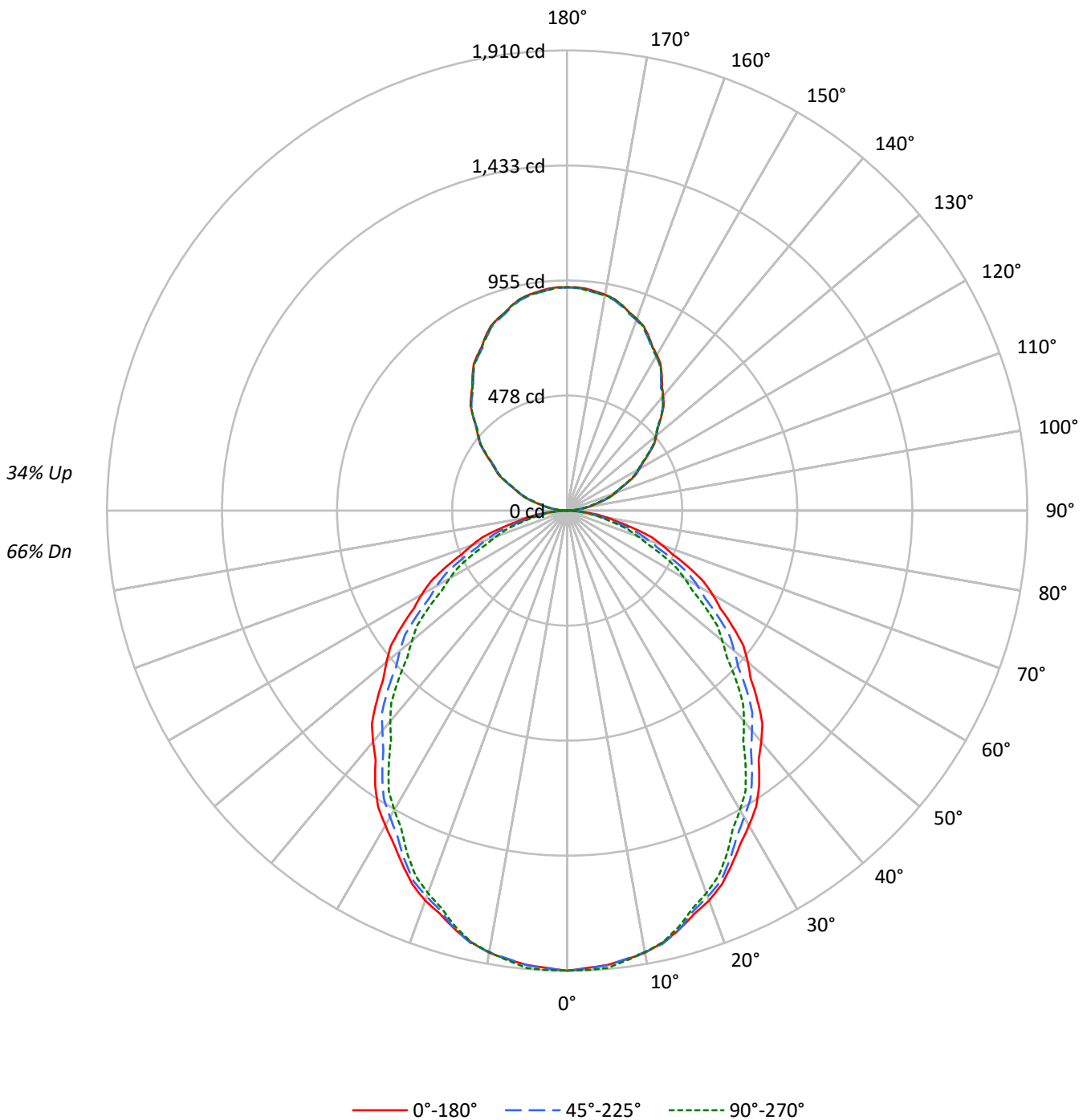
Lumens per Lamp: N/A
Luminaire Lumens: 6958.4 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 50.6
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10803	10803	10803
5°	10752	10760	10826
10°	10705	10689	10689
15°	10541	10541	10478
20°	10370	10264	10170
25°	10105	9977	9800
30°	9857	9601	9370
35°	9598	9241	8914
40°	9251	8811	8431
45°	8938	8428	7908
50°	8615	7971	7398
55°	8264	7529	6913
60°	7885	7072	6366
65°	7441	6551	5790
70°	6929	5943	5157
75°	6282	5215	4592
80°	5477	4372	4063
85°	4226	3693	3693

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	2.6
10°-20°	506.2	7.3
20°-30°	735.2	10.6
30°-40°	835.8	12.0
40°-50°	811.4	11.7
50°-60°	685.1	9.8
60°-70°	487.4	7.0
70°-80°	260.4	3.7
80°-90°	68.8	1.0
90°-100°	39.1	0.6
100°-110°	153.2	2.2
110°-120°	273.0	3.9
120°-130°	369.4	5.3
130°-140°	424.7	6.1
140°-150°	426.2	6.1
150°-160°	366.5	5.3
160°-170°	248.1	3.6
170°-180°	87.5	1.3
0°-30°	1421.6	20.4
0°-40°	2257.5	32.4
0°-60°	3753.9	53.9
0°-90°	4570.5	65.7
90°-120°	465.3	6.7
90°-150°	1685.7	24.2
90°-180°	2388.0	34.3
0°-180°	6958.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1910	1910	1910	1910	1910	
5°	1893	1917	1895	1892	1906	180
15°	1800	1816	1800	1789	1789	507
25°	1619	1624	1598	1577	1570	746
35°	1390	1376	1338	1299	1291	866
45°	1117	1100	1053	1003	988	862
55°	838	815	763	714	701	749
65°	556	536	489	446	432	551
75°	287	272	239	214	210	306
85°	65	60	57	57	57	77
90°	0	0	0	0	0	4
95°	38	34	30	28	29	43
105°	148	148	143	141	139	158
115°	278	280	274	273	272	276
125°	415	420	411	410	411	371
135°	553	558	549	545	551	426
145°	685	690	679	676	682	428
155°	799	806	793	789	798	368
165°	882	890	878	873	882	249
175°	924	933	920	914	918	88
180°	926	926	926	926	926	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1899.9	1919.0	1902.0	1904.3	1908.5
5°	1893.4	1917.2	1894.7	1892.3	1906.3
7.5°	1878.7	1900.5	1877.1	1871.7	1883.6
10°	1863.5	1887.4	1860.8	1854.2	1860.8
12.5°	1836.4	1861.3	1840.2	1829.2	1834.8
15°	1799.8	1815.7	1799.8	1789.0	1789.0
17.5°	1755.1	1771.8	1741.8	1734.1	1731.1
20°	1722.5	1737.1	1704.9	1694.0	1689.3
22.5°	1679.1	1692.7	1665.9	1646.7	1641.6
25°	1618.8	1624.1	1598.4	1576.6	1570.0
27.5°	1558.9	1560.2	1525.0	1498.5	1489.7
30°	1509.0	1510.3	1469.7	1441.0	1434.4
32.5°	1459.1	1455.1	1416.5	1382.5	1378.0
35°	1389.7	1376.4	1338.1	1298.6	1290.7
37.5°	1305.9	1297.9	1252.7	1213.1	1201.2
40°	1252.7	1239.5	1193.1	1153.5	1141.6
42.5°	1199.6	1184.2	1136.7	1092.7	1079.7
45°	1117.2	1099.9	1053.4	1002.9	988.4
47.5°	1034.2	1015.4	964.2	915.3	899.1
50°	978.9	959.0	905.7	857.8	840.6
52.5°	922.5	901.5	848.2	799.3	785.3
55°	837.9	815.3	763.3	714.2	700.9
57.5°	753.3	731.0	679.2	632.8	616.9
60°	696.9	675.7	625.0	578.6	562.6
62.5°	639.4	619.2	569.7	524.3	509.5
65°	555.9	536.0	489.4	445.7	432.5
67.5°	473.2	456.2	410.3	370.2	359.5
70°	418.9	403.0	359.3	322.4	311.8
72.5°	366.9	349.9	308.3	276.9	269.5
75°	287.4	271.5	238.6	214.1	210.1
77.5°	214.8	201.8	173.3	159.4	157.3
80°	168.1	156.2	134.2	124.7	124.7
82.5°	124.7	114.9	100.6	96.5	96.5
85°	65.1	59.8	56.9	56.9	56.9
87.5°	19.5	19.5	18.4	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.2	9.1	5.7	4.5	4.5
95°	37.7	34.2	30.5	28.4	29.1
97.5°	69.5	66.1	61.7	59.5	60.1
100°	91.6	88.9	83.8	81.7	81.7
102.5°	113.2	111.6	106.6	104.4	105.0
105°	148.5	147.8	142.8	140.6	139.2
107.5°	187.4	186.2	180.6	180.4	179.2
110°	212.4	211.7	206.7	206.0	205.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	238.0	239.0	233.4	232.7	232.0
115°	278.5	279.9	273.5	272.8	272.1
117.5°	320.0	321.9	315.1	314.4	313.1
120°	346.7	350.8	342.4	341.7	341.0
122.5°	374.0	377.6	369.7	368.4	368.3
125°	414.9	419.7	411.3	409.9	410.6
127.5°	455.8	460.8	453.0	450.1	451.7
130°	483.1	488.6	480.2	477.4	479.5
132.5°	510.9	516.5	508.1	505.3	508.5
135°	552.7	558.2	549.1	545.0	550.6
137.5°	593.5	598.3	588.4	585.5	591.3
140°	620.2	625.0	614.5	611.1	618.0
142.5°	646.3	651.7	640.1	636.7	644.2
145°	684.8	690.4	679.1	675.7	682.0
147.5°	721.8	727.5	716.1	712.1	718.5
150°	744.5	750.8	738.8	735.4	742.4
152.5°	766.7	773.5	761.0	757.1	765.7
155°	799.2	806.1	792.8	789.4	797.8
157.5°	828.5	834.9	822.8	819.4	826.6
160°	846.1	853.0	840.4	837.0	845.4
162.5°	861.4	868.4	856.9	852.4	860.7
165°	882.3	890.0	878.1	873.3	882.3
167.5°	899.8	908.0	895.4	891.0	900.1
170°	910.0	917.7	905.1	899.6	908.6
172.5°	916.8	924.5	911.9	906.3	912.6
175°	924.2	932.6	920.0	914.4	917.8
177.5°	927.5	934.2	924.1	919.2	926.9
180°	926.4	926.4	926.4	926.4	926.4



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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	16.75	17.76	17.57	18.59	19.62	15.68	16.68	16.49	17.52	18.55
	3H	18.43	19.34	19.26	20.18	21.24	17.10	18.00	17.93	18.85	19.90
	4H	19.07	19.92	19.91	20.77	21.84	17.62	18.48	18.47	19.33	20.40
	6H	19.46	20.25	20.32	21.11	22.19	17.95	18.74	18.80	19.59	20.68
	8H	19.60	20.35	20.47	21.23	22.31	18.08	18.83	18.94	19.70	20.78
	12H	19.68	20.39	20.54	21.26	22.37	18.16	18.87	19.03	19.74	20.85
4H	2H	17.18	18.03	18.03	18.88	19.95	16.32	17.17	17.17	18.02	19.09
	3H	19.08	19.79	19.94	20.68	21.76	17.95	18.66	18.81	19.55	20.63
	4H	19.84	20.48	20.71	21.36	22.48	18.57	19.21	19.44	20.09	21.20
	6H	20.35	20.91	21.23	21.81	22.92	18.99	19.54	19.87	20.45	21.56
	8H	20.54	21.06	21.43	21.96	23.09	19.16	19.68	20.05	20.58	21.71
	12H	20.65	21.12	21.56	22.03	23.17	19.27	19.74	20.18	20.66	21.79
8H	4H	19.98	20.50	20.87	21.40	22.53	18.84	19.36	19.73	20.26	21.39
	6H	20.60	21.03	21.52	21.98	23.10	19.37	19.80	20.29	20.75	21.87
	8H	20.88	21.26	21.81	22.20	23.34	19.63	20.01	20.55	20.94	22.09
	12H	21.05	21.39	21.98	22.31	23.51	19.81	20.15	20.74	21.07	22.27
12H	4H	19.96	20.43	20.87	21.35	22.48	18.85	19.32	19.76	20.24	21.37
	6H	20.62	21.00	21.55	21.94	23.08	19.43	19.81	20.36	20.75	21.89
	8H	20.93	21.26	21.86	22.19	23.38	19.72	20.06	20.65	20.98	22.18