

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057121

Luminaire Tested: CB3-D-030U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057121
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-055D-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6163.9 lumens
Efficiency: N/A
Efficacy: 121.8 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: Semi-Direct

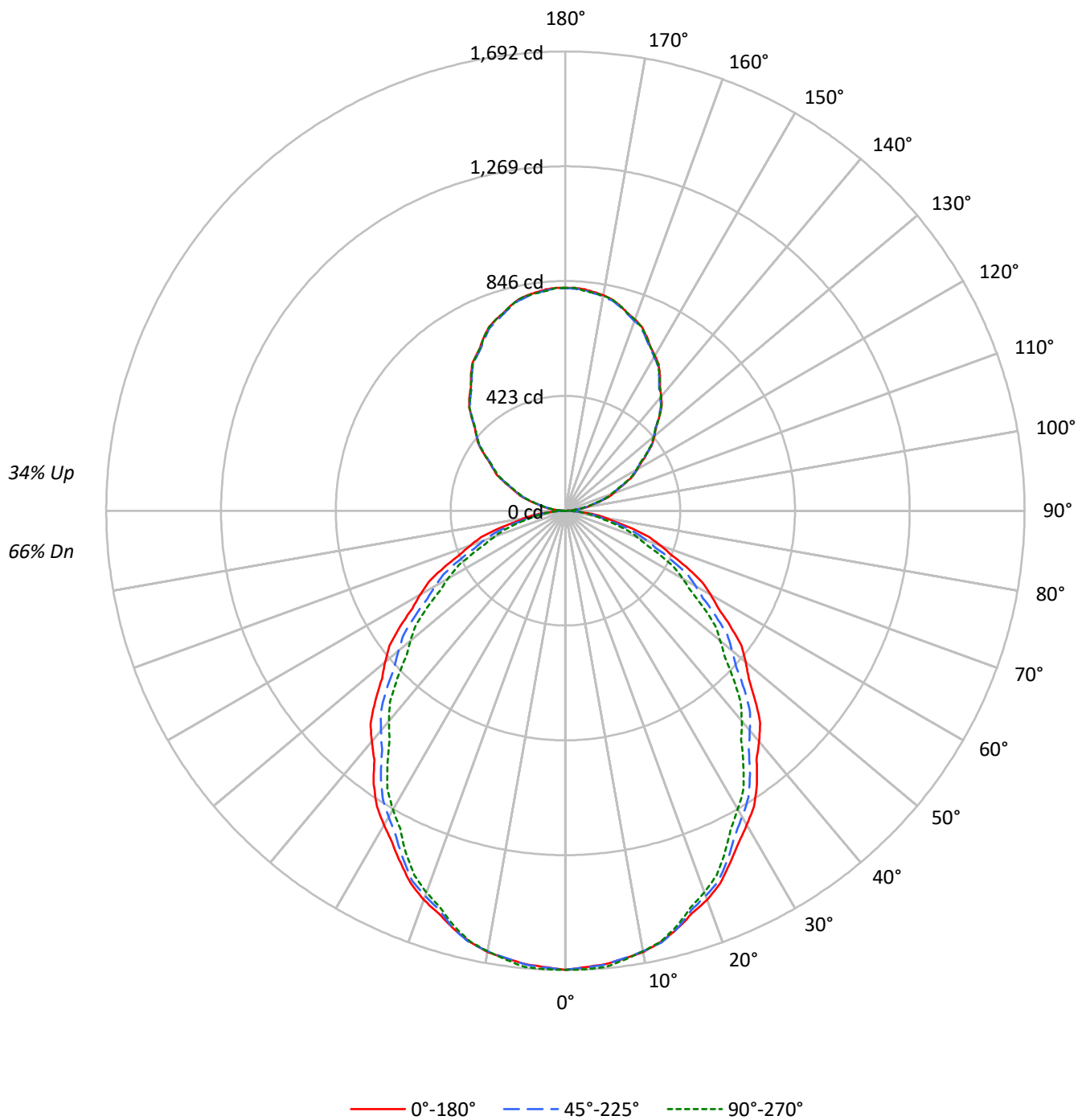
Input Watts (W): 50.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9570	9570	9570
5°	9525	9531	9589
10°	9483	9469	9469
15°	9338	9338	9281
20°	9186	9093	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.6	2.6
10°-20°	448.4	7.3
20°-30°	651.3	10.6
30°-40°	740.4	12.0
40°-50°	718.8	11.7
50°-60°	606.8	9.8
60°-70°	431.8	7.0
70°-80°	230.7	3.7
80°-90°	60.9	1.0
90°-100°	34.7	0.6
100°-110°	135.7	2.2
110°-120°	241.8	3.9
120°-130°	327.3	5.3
130°-140°	376.2	6.1
140°-150°	377.5	6.1
150°-160°	324.7	5.3
160°-170°	219.8	3.6
170°-180°	77.5	1.3
0°-30°	1259.3	20.4
0°-40°	1999.7	32.4
0°-60°	3325.3	53.9
0°-90°	4048.7	65.7
90°-120°	412.2	6.7
90°-150°	1493.2	24.2
90°-180°	2115.0	34.3
0°-180°	6163.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1677	1698	1678	1676	1689	159
15°	1594	1608	1594	1585	1585	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	4
95°	33	30	27	25	26	38
105°	132	131	126	125	123	140
115°	247	248	242	242	241	244
125°	368	372	364	363	364	329
135°	490	494	486	483	488	377
145°	607	612	602	599	604	379
155°	708	714	702	699	707	326
165°	782	788	778	774	782	220
175°	819	826	815	810	813	78
180°	821	821	821	821	821	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.6	1691.6	1691.6	1691.6	1691.6
2.5°	1683.0	1699.9	1684.9	1686.9	1690.6
5°	1677.2	1698.3	1678.4	1676.3	1688.6
7.5°	1664.2	1683.5	1662.8	1658.0	1668.5
10°	1650.8	1671.9	1648.4	1642.5	1648.4
12.5°	1626.7	1648.8	1630.1	1620.4	1625.3
15°	1594.3	1608.4	1594.3	1584.7	1584.7
17.5°	1554.7	1569.5	1542.9	1536.1	1533.4
20°	1525.9	1538.8	1510.3	1500.6	1496.4
22.5°	1487.4	1499.4	1475.7	1458.7	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.1	8.1	5.0	4.0	4.0
95°	33.4	30.3	27.1	25.2	25.8
97.5°	61.5	58.6	54.6	52.7	53.2
100°	81.2	78.7	74.3	72.4	72.4
102.5°	100.3	98.8	94.4	92.5	93.0
105°	131.5	130.9	126.5	124.6	123.3
107.5°	166.0	164.9	160.0	159.8	158.7
110°	188.2	187.5	183.1	182.5	181.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	210.8	211.7	206.8	206.1	205.5
115°	246.7	247.9	242.3	241.6	241.0
117.5°	283.4	285.2	279.2	278.5	277.4
120°	307.1	310.8	303.3	302.7	302.1
122.5°	331.3	334.5	327.5	326.3	326.2
125°	367.5	371.8	364.4	363.1	363.7
127.5°	403.8	408.2	401.2	398.7	400.1
130°	427.9	432.8	425.4	422.9	424.8
132.5°	452.6	457.5	450.1	447.6	450.4
135°	489.6	494.5	486.4	482.8	487.7
137.5°	525.7	530.0	521.2	518.7	523.8
140°	549.4	553.7	544.3	541.3	547.5
142.5°	572.5	577.3	567.0	564.0	570.6
145°	606.6	611.6	601.6	598.6	604.1
147.5°	639.4	644.4	634.3	630.8	636.5
150°	659.5	665.0	654.5	651.5	657.6
152.5°	679.1	685.2	674.1	670.6	678.3
155°	708.0	714.1	702.3	699.3	706.7
157.5°	733.9	739.5	728.8	725.8	732.2
160°	749.5	755.6	744.5	741.5	748.9
162.5°	763.1	769.2	759.1	755.1	762.4
165°	781.6	788.3	777.8	773.6	781.6
167.5°	797.1	804.3	793.2	789.3	797.3
170°	806.1	812.9	801.7	796.9	804.9
172.5°	812.2	818.9	807.8	802.8	808.4
175°	818.7	826.1	814.9	810.0	813.0
177.5°	821.6	827.5	818.6	814.2	821.1
180°	820.6	820.6	820.6	820.6	820.6

(END OF REPORT)