

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: P1057013

Luminaire Tested: CB2-D-030U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057013
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-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: 6164.3 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

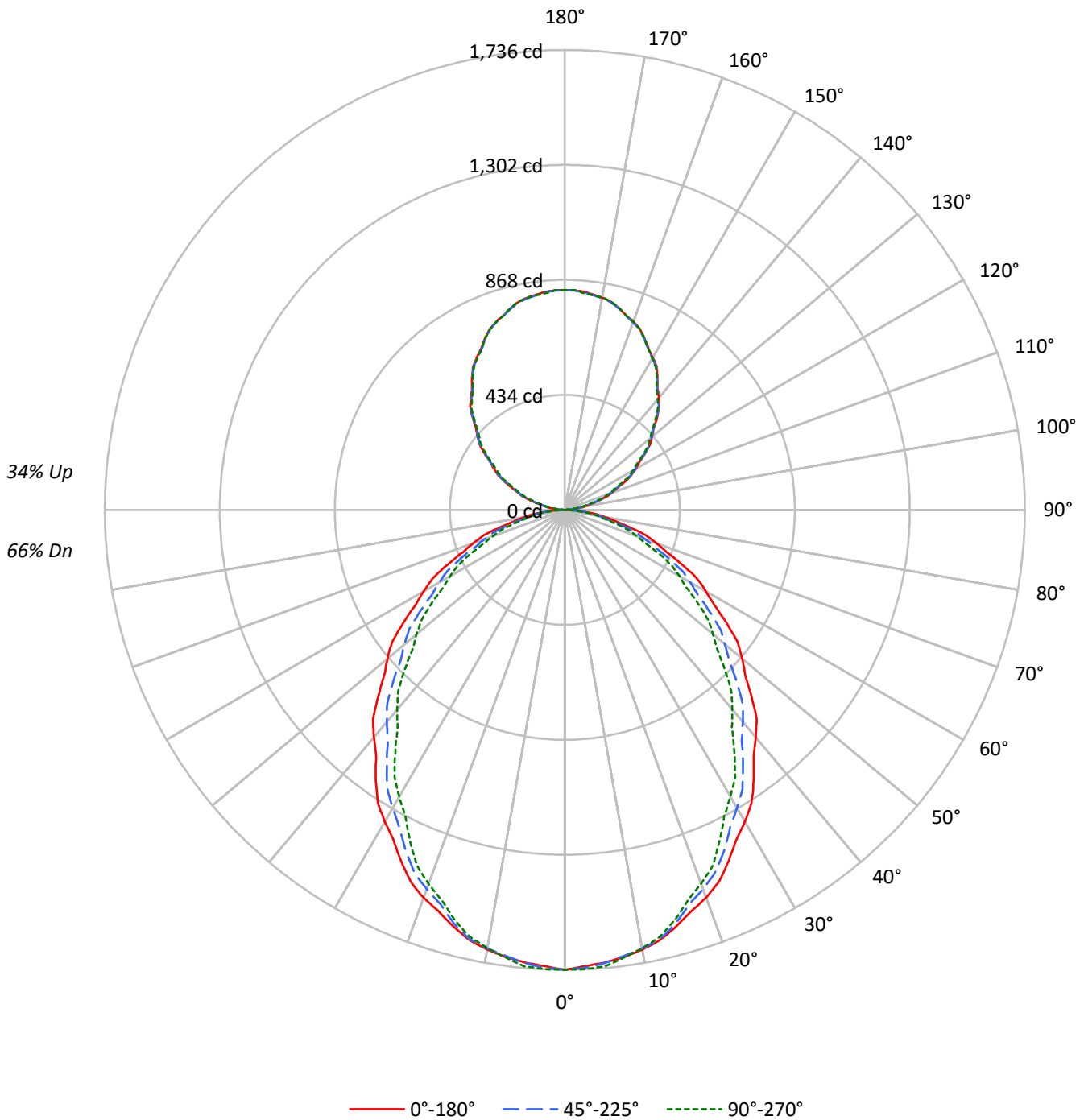
Input Watts (W): 54.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	55	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	37	40	36	33	30				
6	66	54	46	40	62	51	44	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	37	31	54	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	25	21	26	22	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12263 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	2.6
10°-20°	455.1	7.4
20°-30°	654.4	10.6
30°-40°	735.5	11.9
40°-50°	710.5	11.5
50°-60°	600.3	9.7
60°-70°	431.2	7.0
70°-80°	235.7	3.8
80°-90°	62.6	1.0
90°-100°	32.1	0.5
100°-110°	132.2	2.1
110°-120°	239.9	3.9
120°-130°	326.5	5.3
130°-140°	376.9	6.1
140°-150°	379.8	6.2
150°-160°	327.7	5.3
160°-170°	222.1	3.6
170°-180°	78.4	1.3
0°-30°	1272.8	20.6
0°-40°	2008.4	32.6
0°-60°	3319.2	53.8
0°-90°	4048.8	65.7
90°-120°	404.1	6.6
90°-150°	1487.3	24.1
90°-180°	2115.0	34.3
0°-180°	6164.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	1	0	1	3
95°	31	27	26	20	20	36
105°	131	129	126	118	117	139
115°	248	248	243	236	236	245
125°	370	373	366	358	358	330
135°	492	498	490	481	484	379
145°	610	617	608	600	605	381
155°	714	721	710	706	712	328
165°	789	797	787	782	789	222
175°	826	835	824	819	821	78
180°	830	830	830	830	830	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	15.0	12.8	12.9
90°	0.0	0.0	0.6	0.0	0.6
92.5°	7.8	6.8	6.3	4.2	4.8
95°	31.1	27.3	25.9	20.1	20.1
97.5°	58.6	54.8	52.8	46.8	45.6
100°	78.3	74.5	72.5	66.0	64.7
102.5°	98.5	96.7	93.2	86.2	84.9
105°	130.7	128.8	125.5	118.4	117.1
107.5°	163.8	164.2	159.3	153.4	151.7
110°	187.6	187.0	183.1	177.3	176.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	212.0	210.8	206.9	201.1	199.8
115°	248.5	247.8	243.3	236.2	235.5
117.5°	283.1	285.2	279.8	272.3	272.0
120°	308.0	310.5	304.1	297.6	296.3
122.5°	332.3	335.3	328.9	321.4	321.7
125°	369.5	373.2	365.6	357.8	358.5
127.5°	405.3	410.0	402.8	395.0	395.7
130°	429.6	435.3	427.7	419.3	420.6
132.5°	454.5	460.2	452.5	443.7	445.9
135°	492.4	498.1	489.8	480.8	484.0
137.5°	528.1	533.8	524.7	517.2	521.0
140°	551.9	557.6	548.0	541.0	544.8
142.5°	575.2	581.9	571.8	564.3	569.1
145°	610.1	617.1	607.6	600.5	605.0
147.5°	643.3	650.2	640.6	633.8	638.4
150°	664.5	671.5	661.3	655.6	660.6
152.5°	684.2	692.1	681.4	675.8	682.4
155°	713.7	720.6	710.4	706.0	711.7
157.5°	739.3	747.4	737.2	733.4	738.0
160°	756.4	764.0	753.8	750.0	755.1
162.5°	769.3	777.4	767.8	763.5	769.6
165°	788.7	796.9	786.8	782.4	789.4
167.5°	804.0	812.7	802.4	797.9	805.0
170°	813.3	821.5	810.7	805.7	813.3
172.5°	819.5	828.3	816.9	811.9	816.9
175°	826.3	835.1	824.3	819.2	821.1
177.5°	829.5	836.6	827.9	823.4	829.5
180°	829.5	829.5	829.5	829.5	829.5

(END OF REPORT)