

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: P1057124

Luminaire Tested: CB3-D-030U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057124
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-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 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: 8294.9 lumens
Efficiency: N/A
Efficacy: 118.7 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

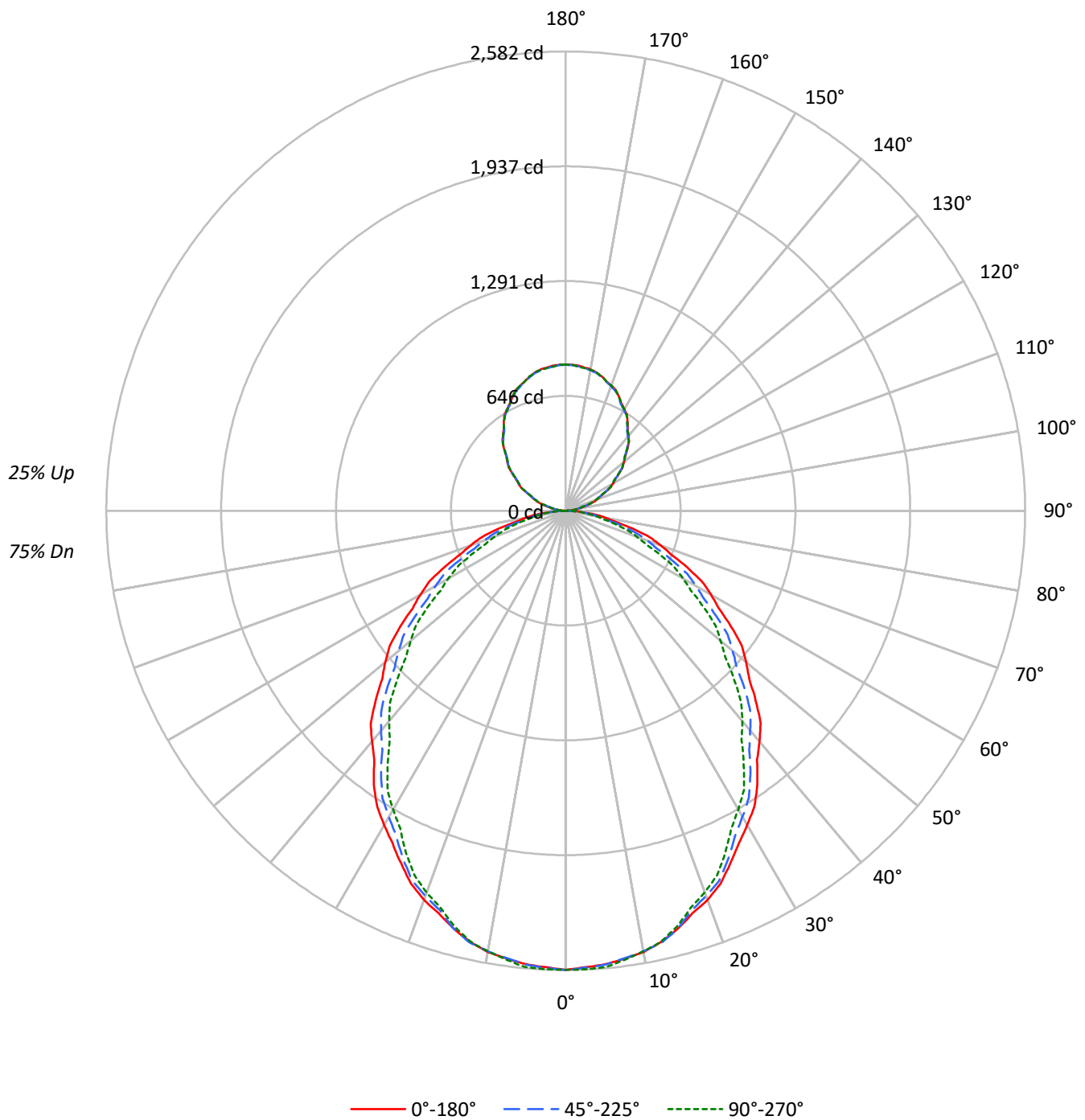
Input Watts (W): 69.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	70	68	67
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49
4	79	68	60	54	75	65	58	52	60	53	49	54	49	45	49	45	42
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	41	36	33
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14605	14605	14605
5°	14536	14546	14633
10°	14473	14452	14452
15°	14251	14251	14165
20°	14020	13876	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	2.9
10°-20°	684.3	8.3
20°-30°	994.1	12.0
30°-40°	1130.1	13.6
40°-50°	1097.1	13.2
50°-60°	926.3	11.2
60°-70°	659.0	7.9
70°-80°	352.1	4.2
80°-90°	93.0	1.1
90°-100°	34.7	0.4
100°-110°	135.7	1.6
110°-120°	241.8	2.9
120°-130°	327.3	3.9
130°-140°	376.2	4.5
140°-150°	377.5	4.6
150°-160°	324.7	3.9
160°-170°	219.8	2.6
170°-180°	77.5	0.9
0°-30°	1922.0	23.2
0°-40°	3052.2	36.8
0°-60°	5075.5	61.2
0°-90°	6179.7	74.5
90°-120°	412.2	5.0
90°-150°	1493.2	18.0
90°-180°	2115.0	25.5
0°-180°	8294.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2582	2582	2582	2582	2582	
5°	2560	2592	2562	2558	2577	243
15°	2433	2455	2433	2418	2418	685
25°	2189	2196	2161	2132	2123	1009
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	5
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°	2581.7	2581.7	2581.7	2581.7	2581.7
2.5°	2568.5	2594.3	2571.4	2574.5	2580.2
5°	2559.7	2592.0	2561.5	2558.3	2576.8
7.5°	2539.9	2569.3	2537.7	2530.4	2546.5
10°	2519.4	2551.6	2515.7	2506.7	2515.7
12.5°	2482.7	2516.4	2487.8	2473.0	2480.5
15°	2433.2	2454.7	2433.2	2418.5	2418.5
17.5°	2372.7	2395.3	2354.7	2344.4	2340.3
20°	2328.7	2348.4	2304.9	2290.1	2284.1
22.5°	2270.1	2288.3	2252.1	2226.5	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
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)