

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: P1057127

Luminaire Tested: CB3-D-030U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057127
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-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 10912.2 lumens
Efficiency: N/A
Efficacy: 115.4 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

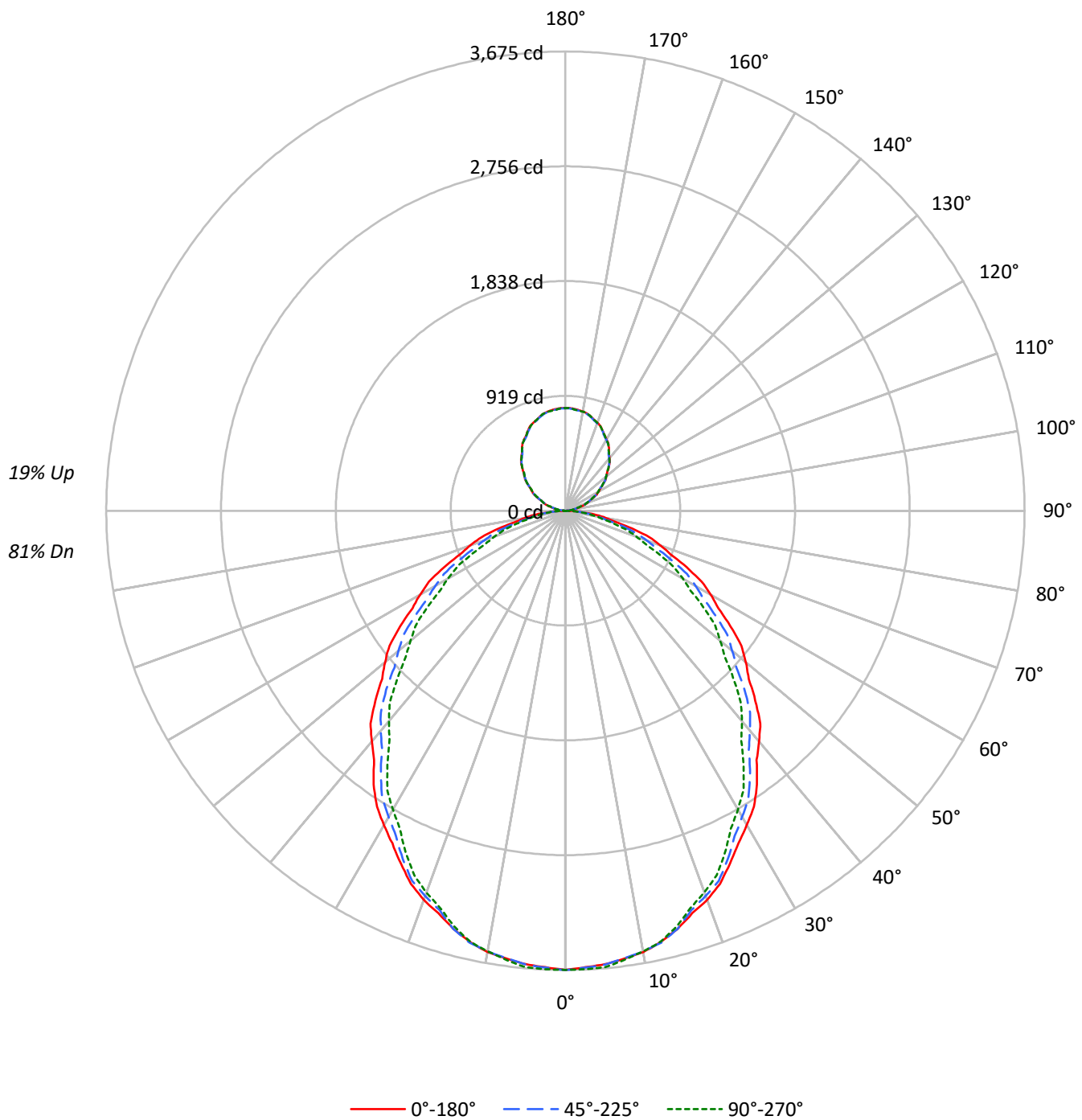
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84
1	105	101	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52
4	80	69	61	55	77	67	59	53	62	55	51	57	52	48	53	49	45
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40
6	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28
9	55	43	35	29	53	41	34	29	39	32	28	36	31	27	34	29	26
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20790	20790	20790
5°	20692	20706	20828
10°	20601	20571	20571
15°	20285	20285	20163
20°	19956	19752	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	3.2
10°-20°	974.1	8.9
20°-30°	1415.1	13.0
30°-40°	1608.8	14.7
40°-50°	1561.8	14.3
50°-60°	1318.6	12.1
60°-70°	938.2	8.6
70°-80°	501.2	4.6
80°-90°	132.4	1.2
90°-100°	34.7	0.3
100°-110°	135.7	1.2
110°-120°	241.8	2.2
120°-130°	327.3	3.0
130°-140°	376.2	3.4
140°-150°	377.5	3.5
150°-160°	324.7	3.0
160°-170°	219.8	2.0
170°-180°	77.5	0.7
0°-30°	2736.0	25.1
0°-40°	4344.8	39.8
0°-60°	7225.2	66.2
0°-90°	8797.0	80.6
90°-120°	412.2	3.8
90°-150°	1493.2	13.7
90°-180°	2115.0	19.4
0°-180°	10912.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3675	3675	3675	3675	3675	
5°	3644	3690	3646	3642	3668	346
15°	3464	3494	3464	3443	3443	976
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	0	0	6
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°	3674.9	3674.9	3674.9	3674.9	3674.9
2.5°	3656.1	3692.9	3660.3	3664.6	3672.8
5°	3643.6	3689.5	3646.2	3641.6	3667.7
7.5°	3615.4	3657.2	3612.3	3601.8	3624.8
10°	3586.2	3632.1	3581.0	3568.2	3581.0
12.5°	3534.0	3582.0	3541.3	3520.1	3530.9
15°	3463.5	3494.1	3463.5	3442.6	3442.6
17.5°	3377.4	3409.6	3351.8	3337.1	3331.4
20°	3314.8	3342.8	3280.9	3259.8	3251.5
22.5°	3231.3	3257.3	3205.7	3169.5	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
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)