

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: P1057139

Luminaire Tested: CB3-D-055U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057139
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-055U-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 550 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12880.7 lumens
Efficiency: N/A
Efficacy: 113.7 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

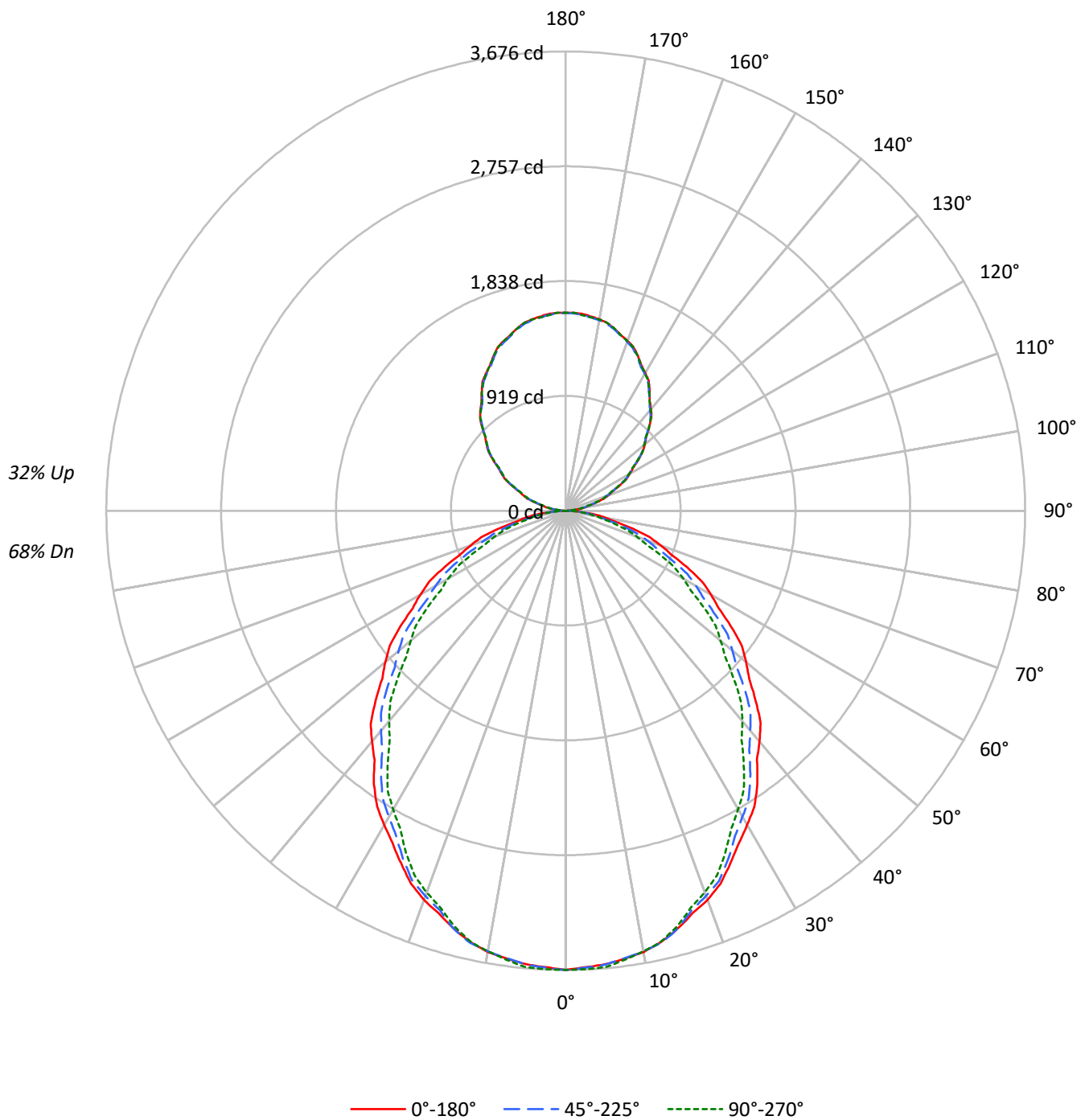
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73	68
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62	58
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53	49
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45	42
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39	36
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34	31
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30	28
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27	25
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24	22
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22	20
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20793	20793	20793
5°	20695	20710	20835
10°	20605	20574	20574
15°	20289	20289	20166
20°	19960	19755	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°	346.8	2.7
10°-20°	974.3	7.6
20°-30°	1415.2	11.0
30°-40°	1608.8	12.5
40°-50°	1561.8	12.1
50°-60°	1318.6	10.2
60°-70°	938.2	7.3
70°-80°	501.2	3.9
80°-90°	132.4	1.0
90°-100°	66.9	0.5
100°-110°	261.9	2.0
110°-120°	466.9	3.6
120°-130°	631.8	4.9
130°-140°	726.3	5.6
140°-150°	728.8	5.7
150°-160°	626.8	4.9
160°-170°	424.3	3.3
170°-180°	149.6	1.2
0°-30°	2736.3	21.2
0°-40°	4345.1	33.7
0°-60°	7225.4	56.1
0°-90°	8797.3	68.3
90°-120°	795.7	6.2
90°-150°	2882.7	22.4
90°-180°	4083.0	31.7
0°-180°	12880.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3676	3676	3676	3676	3676	
5°	3644	3690	3647	3642	3669	346
15°	3464	3495	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	8
95°	64	58	52	49	50	73
105°	254	253	244	240	238	271
115°	476	479	468	466	465	472
125°	710	718	703	701	702	634
135°	945	955	939	932	942	729
145°	1171	1181	1161	1156	1166	732
155°	1367	1379	1356	1350	1364	629
165°	1509	1522	1502	1493	1509	425
175°	1580	1595	1573	1564	1570	150
180°	1584	1584	1584	1584	1584	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3675.5	3675.5	3675.5	3675.5	3675.5
2.5°	3656.7	3693.4	3660.9	3665.2	3673.4
5°	3644.2	3690.1	3646.8	3642.2	3668.9
7.5°	3616.0	3657.8	3612.9	3602.4	3625.4
10°	3586.8	3632.7	3581.5	3568.8	3581.5
12.5°	3534.6	3582.5	3541.9	3520.7	3531.4
15°	3464.1	3494.7	3464.1	3443.2	3443.2
17.5°	3378.0	3410.1	3352.4	3337.7	3331.8
20°	3315.4	3343.4	3281.4	3260.4	3251.5
22.5°	3231.9	3257.9	3206.3	3169.6	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°	17.5	15.6	9.7	7.8	7.8
95°	64.4	58.4	52.2	48.6	49.8
97.5°	118.8	113.1	105.4	101.8	102.8
100°	156.7	152.0	143.4	139.7	139.7
102.5°	193.6	190.8	182.2	178.6	179.6
105°	253.9	252.7	244.2	240.5	238.1
107.5°	320.5	318.3	308.8	308.5	306.4
110°	363.2	362.1	353.5	352.3	351.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	407.0	408.6	399.2	398.0	396.8
115°	476.2	478.6	467.7	466.5	465.3
117.5°	547.2	550.5	538.9	537.6	535.5
120°	592.8	600.0	585.6	584.3	583.1
122.5°	639.5	645.7	632.2	630.0	629.8
125°	709.5	717.8	703.4	701.0	702.2
127.5°	779.5	788.0	774.6	769.8	772.4
130°	826.1	835.6	821.2	816.5	820.0
132.5°	873.7	883.2	868.9	864.1	869.6
135°	945.2	954.7	939.1	932.0	941.5
137.5°	1014.9	1023.2	1006.1	1001.3	1011.2
140°	1060.6	1068.9	1050.9	1045.0	1056.9
142.5°	1105.3	1114.5	1094.6	1088.8	1101.6
145°	1171.1	1180.6	1161.4	1155.6	1166.3
147.5°	1234.3	1244.0	1224.6	1217.8	1228.7
150°	1273.2	1283.9	1263.5	1257.6	1269.5
152.5°	1311.1	1322.7	1301.4	1294.6	1309.4
155°	1366.7	1378.6	1355.8	1350.0	1364.3
157.5°	1416.8	1427.7	1407.0	1401.3	1413.6
160°	1446.9	1458.8	1437.2	1431.4	1445.7
162.5°	1473.1	1485.0	1465.4	1457.7	1471.9
165°	1508.9	1521.9	1501.6	1493.4	1508.9
167.5°	1538.7	1552.8	1531.2	1523.8	1539.2
170°	1556.2	1569.3	1547.7	1538.4	1553.8
172.5°	1567.9	1581.0	1559.4	1549.9	1560.6
175°	1580.5	1594.8	1573.2	1563.7	1569.6
177.5°	1586.1	1597.5	1580.3	1571.8	1585.1
180°	1584.2	1584.2	1584.2	1584.2	1584.2

(END OF REPORT)