

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: P1057012

Luminaire Tested: CB2-D-030U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057012
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4558.8 lumens
Efficiency: N/A
Efficacy: 124.2 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: General Diffuse

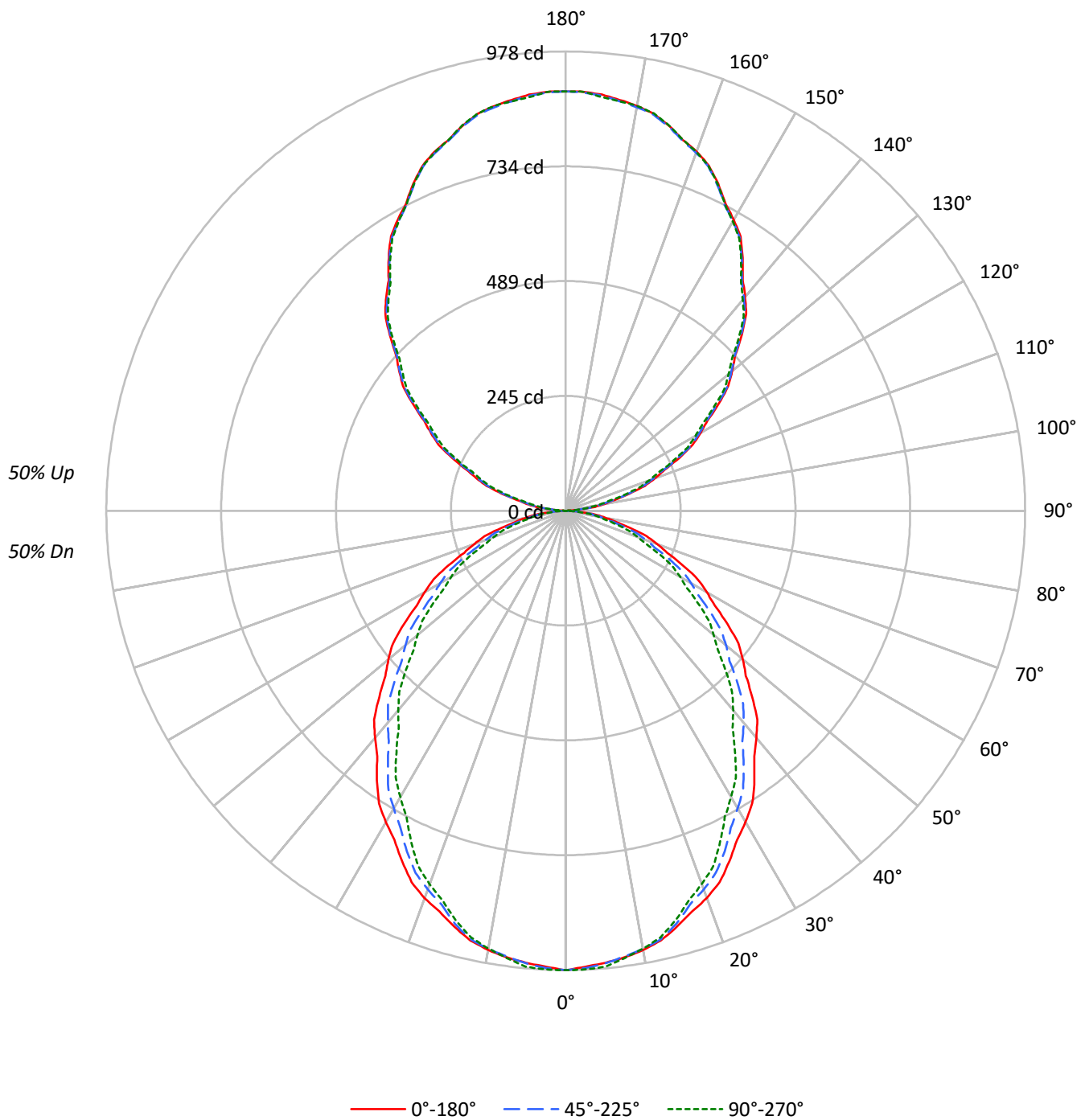
Input Watts (W): 36.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	36	31	35	31	27	29	26	23
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	2.0
10°-20°	256.5	5.6
20°-30°	368.8	8.1
30°-40°	414.5	9.1
40°-50°	400.4	8.8
50°-60°	338.3	7.4
60°-70°	243.0	5.3
70°-80°	132.8	2.9
80°-90°	35.3	0.8
90°-100°	34.5	0.8
100°-110°	142.3	3.1
110°-120°	258.3	5.7
120°-130°	351.4	7.7
130°-140°	405.7	8.9
140°-150°	408.8	9.0
150°-160°	352.8	7.7
160°-170°	239.1	5.2
170°-180°	84.3	1.9
0°-30°	717.2	15.7
0°-40°	1131.7	24.8
0°-60°	1870.4	41.0
0°-90°	2281.5	50.0
90°-120°	435.0	9.5
90°-150°	1601.0	35.1
90°-180°	2277.0	49.9
0°-180°	4558.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	1	0	1	2
95°	33	29	28	22	22	39
105°	141	139	135	127	126	149
115°	268	267	262	254	254	264
125°	398	402	394	385	386	355
135°	530	536	527	518	521	408
145°	657	664	654	646	651	410
155°	768	776	765	760	766	353
165°	849	858	847	842	850	239
175°	889	899	887	882	884	84
180°	893	893	893	893	893	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.5	7.2	7.3
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.4	7.3	6.8	4.5	5.2
95°	33.4	29.3	27.9	21.6	21.6
97.5°	63.1	59.0	56.8	50.4	49.0
100°	84.3	80.2	78.0	71.0	69.7
102.5°	106.0	104.1	100.3	92.7	91.4
105°	140.7	138.7	135.1	127.4	126.1
107.5°	176.4	176.8	171.5	165.2	163.3
110°	202.0	201.3	197.1	190.8	189.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	228.2	227.0	222.7	216.4	215.1
115°	267.5	266.8	261.9	254.2	253.5
117.5°	304.8	307.0	301.2	293.1	292.8
120°	331.5	334.3	327.4	320.4	319.0
122.5°	357.7	361.0	354.1	346.0	346.3
125°	397.7	401.8	393.5	385.2	385.9
127.5°	436.3	441.3	433.6	425.2	426.0
130°	462.5	468.6	460.4	451.4	452.7
132.5°	489.2	495.4	487.1	477.6	480.0
135°	530.0	536.2	527.3	517.6	521.0
137.5°	568.5	574.6	564.9	556.7	560.8
140°	594.1	600.3	589.9	582.4	586.5
142.5°	619.2	626.4	615.6	607.5	612.7
145°	656.8	664.3	654.0	646.5	651.2
147.5°	692.5	700.0	689.5	682.3	687.2
150°	715.3	722.8	711.8	705.7	711.1
152.5°	736.5	745.1	733.6	727.5	734.5
155°	768.3	775.7	764.8	760.0	766.2
157.5°	795.8	804.6	793.6	789.5	794.4
160°	814.2	822.4	811.4	807.4	812.8
162.5°	828.2	836.9	826.5	821.9	828.4
165°	849.0	857.9	847.0	842.3	849.7
167.5°	865.5	874.9	863.8	859.0	866.6
170°	875.5	884.4	872.7	867.3	875.5
172.5°	882.2	891.6	879.4	874.0	879.4
175°	889.4	899.0	887.4	881.8	883.9
177.5°	892.9	900.6	891.3	886.4	892.9
180°	892.9	892.9	892.9	892.9	892.9

(END OF REPORT)