

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P824333

Luminaire Tested: CB3-0U-XD-835-B06-UNV-STD-W-4

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-2019
Report Number: P824333
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-0U-XD-835-B06-UNV-STD-W-4
Description: CORELITE Bryx SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT UNDER 6W BATTERY POWER
DIRECT ONLY
Light Source: 80 CRI, 3500K CCT LEDS
Ballast/Driver: -

Summary

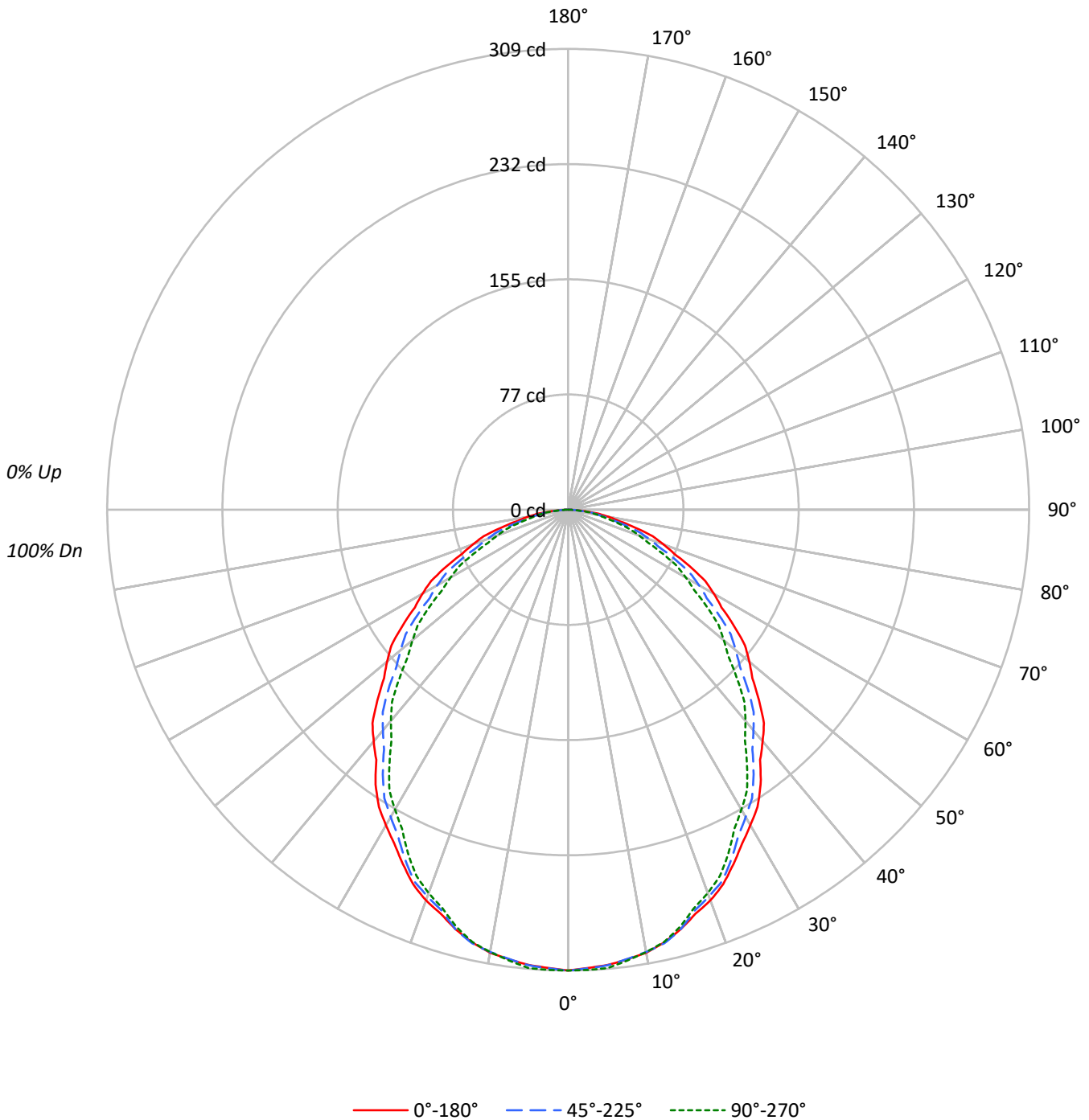
Lumens per Lamp: N/A
Luminaire Lumens: 739.9 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V): 120
Input Current (A_{in}): 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3496	3496	3496
5°	3480	3482	3503
10°	3465	3459	3459
15°	3412	3412	3391
20°	3357	3322	3293
25°	3272	3231	3173
30°	3192	3108	3034
35°	3108	2992	2887
40°	2995	2852	2730
45°	2895	2728	2560
50°	2790	2581	2396
55°	2675	2438	2239
60°	2553	2290	2062
65°	2410	2120	1874
70°	2243	1925	1671
75°	2033	1687	1486
80°	1772	1414	1316
85°	1363	1194	1194

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	3.9
10°-20°	81.9	11.1
20°-30°	119.0	16.1
30°-40°	135.3	18.3
40°-50°	131.4	17.8
50°-60°	110.9	15.0
60°-70°	78.9	10.7
70°-80°	42.2	5.7
80°-90°	11.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	230.1	31.1
0°-40°	365.4	49.4
0°-60°	607.7	82.1
0°-90°	739.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	309	309	309	309	309	
5°	306	310	307	306	308	29
15°	291	294	291	290	290	82
25°	262	263	259	255	254	121
35°	225	223	217	210	209	140
45°	181	178	170	162	160	140
55°	136	132	124	116	114	121
65°	90	87	79	72	70	89
75°	46	44	39	35	34	50
85°	10	10	9	9	9	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	309.0	309.0	309.0	309.0	309.0
2.5°	307.5	310.5	307.8	308.2	308.9
5°	306.4	310.3	306.6	306.2	308.4
7.5°	304.0	307.6	303.8	302.9	304.8
10°	301.6	305.4	301.1	300.1	301.1
12.5°	297.2	301.2	297.8	296.0	296.9
15°	291.3	293.8	291.3	289.5	289.5
17.5°	284.0	286.7	281.9	280.6	280.2
20°	278.8	281.1	275.9	274.1	273.5
22.5°	271.7	273.9	269.6	266.6	265.8
25°	262.1	262.9	258.8	255.2	254.2
27.5°	252.4	252.6	246.9	242.6	241.2
30°	244.3	244.5	237.9	233.3	232.2
32.5°	236.2	235.6	229.3	223.8	223.1
35°	225.0	222.8	216.6	210.2	209.0
37.5°	211.4	210.1	202.8	196.4	194.5
40°	202.8	200.7	193.1	186.7	184.8
42.5°	194.2	191.7	184.0	176.9	174.8
45°	180.9	178.1	170.5	162.4	160.0
47.5°	167.4	164.4	156.1	148.2	145.6
50°	158.5	155.3	146.6	138.9	136.1
52.5°	149.3	145.9	137.3	129.4	127.1
55°	135.6	132.0	123.6	115.6	113.5
57.5°	121.9	118.3	110.0	102.4	99.9
60°	112.8	109.4	101.2	93.7	91.1
62.5°	103.5	100.2	92.2	84.9	82.5
65°	90.0	86.8	79.2	72.2	70.0
67.5°	76.6	73.9	66.4	59.9	58.2
70°	67.8	65.2	58.2	52.2	50.5
72.5°	59.4	56.6	49.9	44.8	43.6
75°	46.5	44.0	38.6	34.7	34.0
77.5°	34.8	32.7	28.1	25.8	25.5
80°	27.2	25.3	21.7	20.2	20.2
82.5°	20.2	18.6	16.3	15.6	15.6
85°	10.5	9.7	9.2	9.2	9.2
87.5°	3.2	3.2	3.0	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.34	16.92	15.71	17.24	17.55	14.27	15.85	14.63	16.16	16.48
	3H	17.06	18.49	17.44	18.81	19.17	15.73	17.15	16.11	17.48	17.84
	4H	17.72	19.06	18.12	19.41	19.79	16.28	17.62	16.68	17.97	18.34
	6H	18.14	19.38	18.55	19.75	20.14	16.63	17.87	17.04	18.24	18.63
	8H	18.30	19.48	18.73	19.87	20.27	16.77	17.96	17.20	18.34	18.74
	12H	18.39	19.52	18.82	19.90	20.33	16.87	18.00	17.30	18.38	18.81
4H	2H	15.83	17.17	16.23	17.52	17.90	14.97	16.31	15.37	16.66	17.04
	3H	17.78	18.90	18.19	19.30	19.70	16.66	17.77	17.07	18.17	18.57
	4H	18.56	19.57	18.99	19.98	20.42	17.29	18.30	17.72	18.71	19.15
	6H	19.10	19.98	19.56	20.42	20.88	17.74	18.62	18.20	19.06	19.52
	8H	19.31	20.13	19.77	20.57	21.04	17.93	18.75	18.39	19.19	19.66
	12H	19.44	20.18	19.92	20.65	21.12	18.06	18.80	18.55	19.28	19.75
8H	4H	18.74	19.57	19.21	20.01	20.48	17.61	18.43	18.07	18.87	19.34
	6H	19.39	20.07	19.89	20.56	21.04	18.16	18.84	18.66	19.33	19.81
	8H	19.67	20.29	20.19	20.79	21.28	18.42	19.03	18.93	19.54	20.03
	12H	19.87	20.41	20.38	20.90	21.46	18.63	19.17	19.14	19.66	20.22
12H	4H	18.75	19.49	19.23	19.96	20.43	17.64	18.38	18.12	18.85	19.32
	6H	19.41	20.03	19.93	20.53	21.02	18.22	18.84	18.74	19.34	19.83
	8H	19.75	20.29	20.25	20.78	21.34	18.54	19.08	19.05	19.57	20.13