

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: PrentaLux

Report Number: P1221320

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221320
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

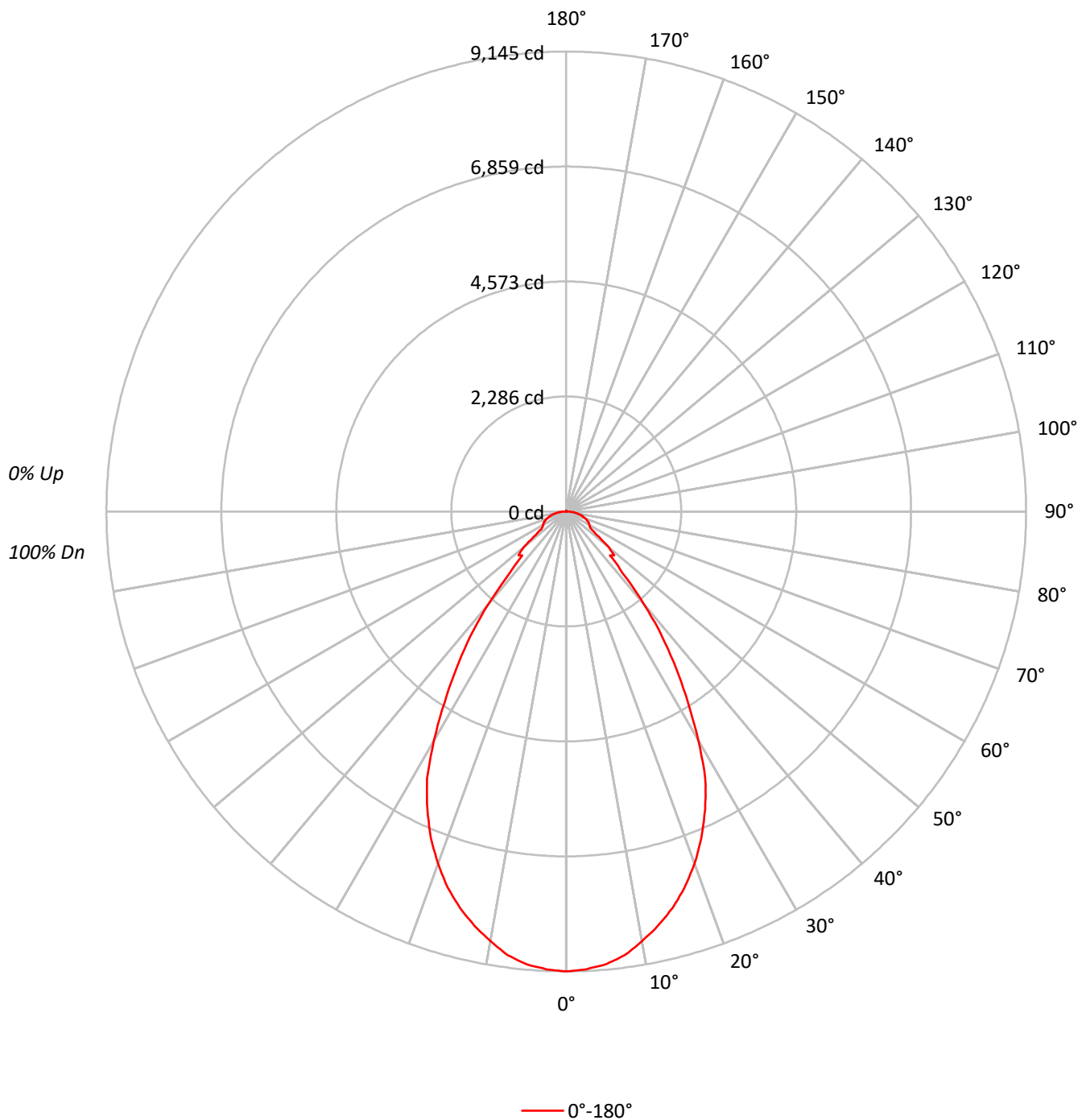
Lumens per Lamp: N/A
Luminaire Lumens: 11148.1 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		80
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		73
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		66
5	86	76	69	64	84	75	69	64	73	68	63		71	66	63		60
6	81	71	64	59	80	70	63	58	68	62	58		67	61	57		55
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		51
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		47
9	68	57	51	46	67	57	50	46	56	50	46		55	49	46		44
10	65	54	47	43	64	53	47	43	53	47	43		52	46	43		41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49996
5°	47395
10°	44012
15°	40391
20°	36303
25°	31541
30°	25344
35°	18445
40°	11914
45°	6205
50°	5634
55°	3245
60°	3003
65°	2870
70°	2605
75°	2196
80°	1663
85°	943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 6575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.6	7.6
10°-20°	2285.8	20.5
20°-30°	2969.5	26.6
30°-40°	2364.4	21.2
40°-50°	1138.4	10.2
50°-60°	607.2	5.4
60°-70°	468.7	4.2
70°-80°	327.7	2.9
80°-90°	115.9	1.0
90°-100°	1.0	0.0
100°-110°	1.3	0.0
110°-120°	1.7	0.0
120°-130°	1.8	0.0
130°-140°	2.5	0.0
140°-150°	3.7	0.0
150°-160°	3.6	0.0
160°-170°	2.5	0.0
170°-180°	0.9	0.0
0°-30°	6106.9	54.8
0°-40°	8471.4	76.0
0°-60°	10217.0	91.6
0°-90°	11129.3	99.8
90°-120°	3.9	0.0
90°-150°	11.9	0.1
90°-180°	19.0	0.2
0°-180°	11148.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9145	
5°	9042	852
15°	8162	2286
25°	6536	2970
35°	3801	2364
45°	1233	1138
55°	601	607
65°	477	469
75°	312	328
85°	107	109
90°	1	7
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	2
145°	6	4
155°	8	4
165°	8	2
175°	10	1
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9145.4
2.5°	9110.6
5°	9041.7
7.5°	8900.6
10°	8677.8
12.5°	8436.4
15°	8161.8
17.5°	7836.2
20°	7457.8
22.5°	7028.5
25°	6536.2
27.5°	5991.3
30°	5257.5
32.5°	4507.7
35°	3801.2
37.5°	3126.1
40°	2420.5
42.5°	1666.4
45°	1232.8
47.5°	1288.0
50°	1085.7
52.5°	760.9
55°	601.1
57.5°	556.9
60°	529.7
62.5°	506.7
65°	477.0
67.5°	442.1
70°	403.0
72.5°	358.8
75°	312.0
77.5°	262.7
80°	213.4
82.5°	161.5
85°	107.1
87.5°	50.2
90°	0.9
92.5°	0.9
95°	0.9
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	1.7
110°	1.7

TEST NUMBER: P1221320

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.6
130°	2.6
132.5°	2.6
135°	3.4
137.5°	3.4
140°	4.3
142.5°	5.1
145°	6.0
147.5°	6.8
150°	7.7
152.5°	7.7
155°	7.7
157.5°	7.7
160°	7.7
162.5°	8.5
165°	8.5
167.5°	9.4
170°	9.4
172.5°	9.4
175°	10.2
177.5°	10.2
180°	10.2

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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	12.04	13.27	12.41	13.58	13.90	12.04	13.27	12.41	13.58	13.90
	3H	14.09	15.18	14.47	15.52	15.89	14.09	15.18	14.47	15.52	15.89
	4H	14.84	15.86	15.24	16.21	16.60	14.84	15.86	15.24	16.21	16.60
	6H	15.35	16.29	15.77	16.67	17.07	15.35	16.29	15.77	16.67	17.07
	8H	15.50	16.39	15.94	16.79	17.20	15.50	16.39	15.94	16.79	17.20
	12H	15.58	16.43	16.01	16.82	17.25	15.58	16.43	16.01	16.82	17.25
4H	2H	12.64	13.66	13.04	14.01	14.40	12.64	13.66	13.04	14.01	14.40
	3H	14.85	15.69	15.27	16.10	16.51	14.85	15.69	15.27	16.10	16.51
	4H	15.70	16.46	16.14	16.88	17.33	15.70	16.46	16.14	16.88	17.33
	6H	16.32	16.98	16.79	17.43	17.90	16.32	16.98	16.79	17.43	17.90
	8H	16.51	17.12	16.98	17.57	18.05	16.51	17.12	16.98	17.57	18.05
	12H	16.61	17.15	17.10	17.64	18.12	16.61	17.15	17.10	17.64	18.12
8H	4H	15.94	16.55	16.41	17.00	17.47	15.94	16.55	16.41	17.00	17.47
	6H	16.66	17.16	17.17	17.66	18.15	16.66	17.16	17.17	17.66	18.15
	8H	16.91	17.36	17.44	17.88	18.37	16.91	17.36	17.44	17.88	18.37
	12H	17.08	17.47	17.60	17.97	18.55	17.08	17.47	17.60	17.97	18.55
12H	4H	15.94	16.48	16.43	16.97	17.45	15.94	16.48	16.43	16.97	17.45
	6H	16.69	17.14	17.22	17.66	18.15	16.69	17.14	17.22	17.66	18.15
	8H	16.98	17.37	17.50	17.87	18.45	16.98	17.37	17.50	17.87	18.45

END OF REPORT