

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: P1221311

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221311
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 (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

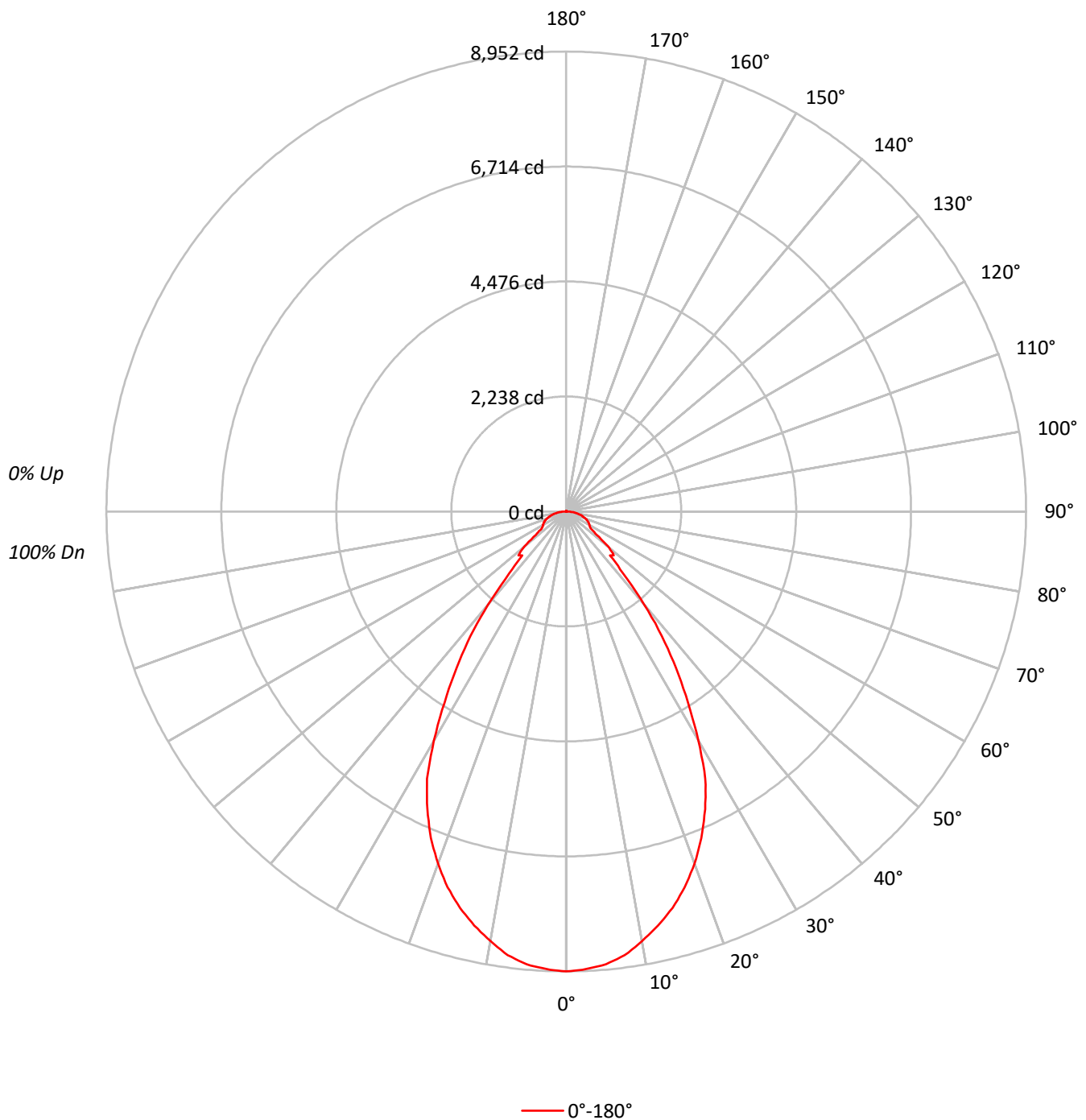
Lumens per Lamp: N/A
Luminaire Lumens: 10911.5 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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°	48936
5°	46390
10°	43078
15°	39534
20°	35534
25°	30872
30°	24806
35°	18053
40°	11661
45°	6073
50°	5515
55°	3176
60°	2939
65°	2809
70°	2549
75°	2150
80°	1628
85°	923

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 6436 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.5	7.6
10°-20°	2237.4	20.5
20°-30°	2906.6	26.6
30°-40°	2314.3	21.2
40°-50°	1114.2	10.2
50°-60°	594.4	5.4
60°-70°	458.8	4.2
70°-80°	320.7	2.9
80°-90°	113.5	1.0
90°-100°	0.9	0.0
100°-110°	1.2	0.0
110°-120°	1.7	0.0
120°-130°	1.8	0.0
130°-140°	2.4	0.0
140°-150°	3.6	0.0
150°-160°	3.5	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5977.4	54.8
0°-40°	8291.7	76.0
0°-60°	10000.2	91.6
0°-90°	10893.2	99.8
90°-120°	3.8	0.0
90°-150°	11.6	0.1
90°-180°	18.0	0.2
0°-180°	10911.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8952	
5°	8850	834
15°	7989	2237
25°	6398	2907
35°	3721	2314
45°	1207	1114
55°	588	594
65°	467	459
75°	305	321
85°	105	107
90°	1	7
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	2
145°	6	4
155°	8	3
165°	8	2
175°	10	1
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8951.5
2.5°	8917.4
5°	8850.0
7.5°	8711.8
10°	8493.8
12.5°	8257.5
15°	7988.7
17.5°	7670.0
20°	7299.7
22.5°	6879.4
25°	6397.6
27.5°	5864.2
30°	5146.0
32.5°	4412.1
35°	3720.6
37.5°	3059.8
40°	2369.1
42.5°	1631.0
45°	1206.6
47.5°	1260.7
50°	1062.7
52.5°	744.8
55°	588.3
57.5°	545.1
60°	518.4
62.5°	496.0
65°	466.8
67.5°	432.7
70°	394.4
72.5°	351.2
75°	305.4
77.5°	257.1
80°	208.9
82.5°	158.1
85°	104.9
87.5°	49.1
90°	0.8
92.5°	0.8
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
107.5°	1.7
110°	1.7

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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°	2.5
130°	2.5
132.5°	2.5
135°	3.3
137.5°	3.3
140°	4.2
142.5°	5.0
145°	5.8
147.5°	6.7
150°	7.5
152.5°	7.5
155°	7.5
157.5°	7.5
160°	7.5
162.5°	8.3
165°	8.3
167.5°	9.2
170°	9.2
172.5°	9.2
175°	10.0
177.5°	10.0
180°	10.0

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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	11.96	13.19	12.33	13.51	13.83	11.96	13.19	12.33	13.51	13.83
	3H	14.02	15.11	14.40	15.44	15.81	14.02	15.11	14.40	15.44	15.81
	4H	14.76	15.78	15.17	16.14	16.53	14.76	15.78	15.17	16.14	16.53
	6H	15.28	16.22	15.70	16.59	16.99	15.28	16.22	15.70	16.59	16.99
	8H	15.43	16.32	15.86	16.71	17.12	15.43	16.32	15.86	16.71	17.12
	12H	15.50	16.35	15.94	16.74	17.18	15.50	16.35	15.94	16.74	17.18
4H	2H	12.56	13.58	12.97	13.94	14.33	12.56	13.58	12.97	13.94	14.33
	3H	14.78	15.62	15.19	16.03	16.44	14.78	15.62	15.19	16.03	16.44
	4H	15.62	16.38	16.06	16.81	17.25	15.62	16.38	16.06	16.81	17.25
	6H	16.25	16.90	16.72	17.35	17.83	16.25	16.90	16.72	17.35	17.83
	8H	16.43	17.04	16.91	17.50	17.97	16.43	17.04	16.91	17.50	17.97
	12H	16.54	17.08	17.03	17.57	18.05	16.54	17.08	17.03	17.57	18.05
8H	4H	15.86	16.47	16.33	16.92	17.40	15.86	16.47	16.33	16.92	17.40
	6H	16.59	17.09	17.10	17.59	18.08	16.59	17.09	17.10	17.59	18.08
	8H	16.84	17.28	17.36	17.80	18.30	16.84	17.28	17.36	17.80	18.30
	12H	17.01	17.40	17.53	17.90	18.47	17.01	17.40	17.53	17.90	18.47
12H	4H	15.87	16.40	16.36	16.89	17.37	15.87	16.40	16.36	16.89	17.37
	6H	16.61	17.06	17.14	17.58	18.08	16.61	17.06	17.14	17.58	18.08
	8H	16.91	17.30	17.43	17.80	18.38	16.91	17.30	17.43	17.80	18.38