

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: P1221308

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221308
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 (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

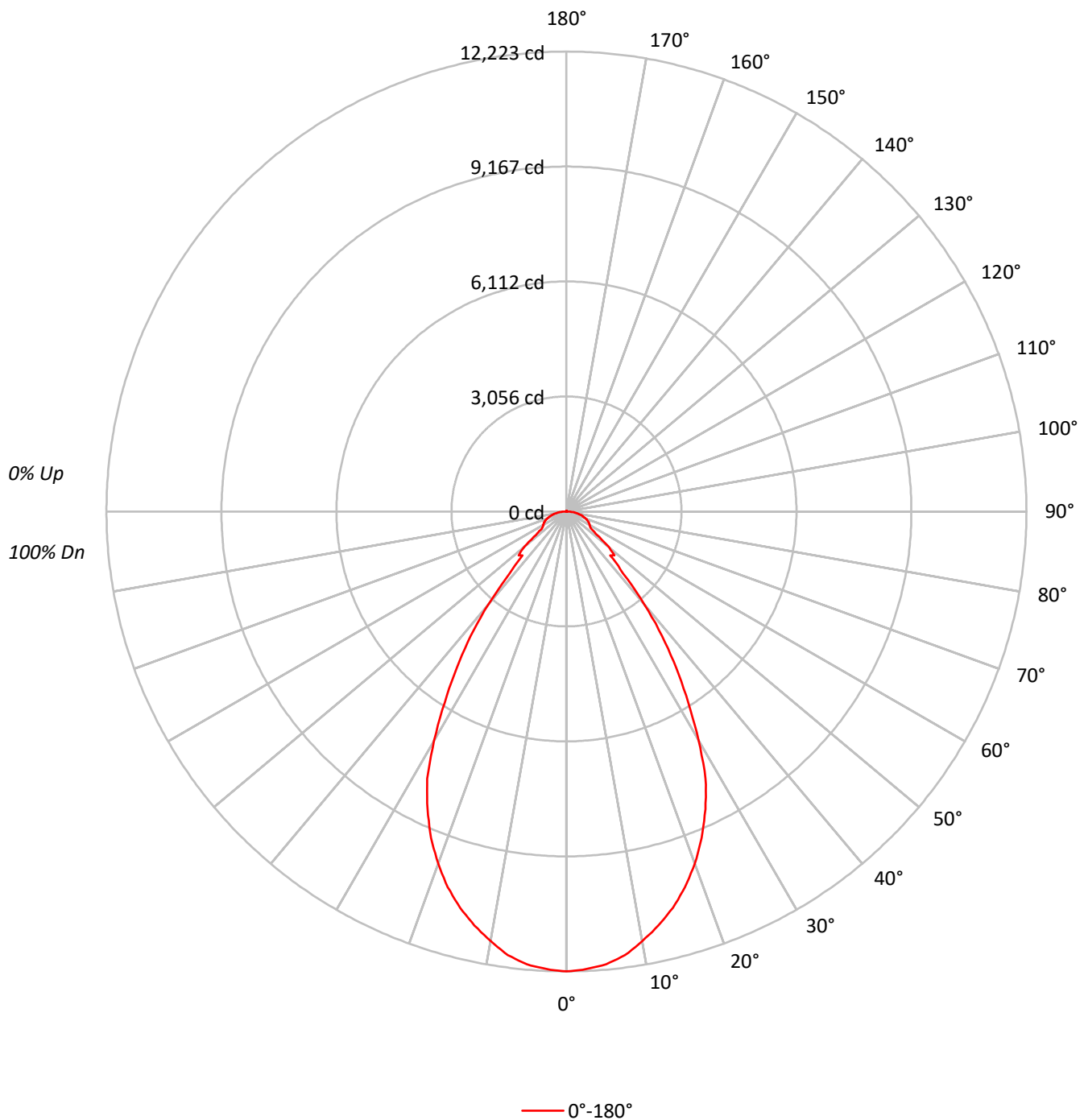
Lumens per Lamp: N/A
Luminaire Lumens: 14899.2 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90							
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80							
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73							
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66							
5	86	76	69	64	84	75	69	64	73	68	63	71	66	63	70	65	62	60							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	52	49	47							
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44							
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66821
5°	63344
10°	58822
15°	53983
20°	48520
25°	42155
30°	33872
35°	24651
40°	15923
45°	8292
50°	7530
55°	4336
60°	4013
65°	3836
70°	3481
75°	2935
80°	2222
85°	1260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 8789 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.1	7.6
10°-20°	3055.0	20.5
20°-30°	3968.8	26.6
30°-40°	3160.0	21.2
40°-50°	1521.4	10.2
50°-60°	811.6	5.4
60°-70°	626.5	4.2
70°-80°	437.9	2.9
80°-90°	154.9	1.0
90°-100°	1.2	0.0
100°-110°	1.6	0.0
110°-120°	2.3	0.0
120°-130°	2.4	0.0
130°-140°	3.3	0.0
140°-150°	4.9	0.0
150°-160°	4.7	0.0
160°-170°	3.3	0.0
170°-180°	1.2	0.0
0°-30°	8162.0	54.8
0°-40°	11322.0	76.0
0°-60°	13655.0	91.6
0°-90°	14874.3	99.8
90°-120°	5.1	0.0
90°-150°	15.7	0.1
90°-180°	25.0	0.2
0°-180°	14899.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12223	
5°	12084	###
15°	10908	3055
25°	8736	3969
35°	5080	3160
45°	1648	1521
55°	803	812
65°	638	626
75°	417	438
85°	143	146
90°	1	10
95°	1	1
105°	1	2
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	11	3
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12222.9
2.5°	12176.4
5°	12084.3
7.5°	11895.7
10°	11598.0
12.5°	11275.3
15°	10908.3
17.5°	10473.1
20°	9967.4
22.5°	9393.6
25°	8735.7
27.5°	8007.3
30°	7026.7
32.5°	6024.5
35°	5080.3
37.5°	4178.1
40°	3235.0
42.5°	2227.1
45°	1647.6
47.5°	1721.5
50°	1451.0
52.5°	1017.0
55°	803.3
57.5°	744.3
60°	707.9
62.5°	677.2
65°	637.5
67.5°	590.9
70°	538.6
72.5°	479.5
75°	417.0
77.5°	351.1
80°	285.2
82.5°	215.9
85°	143.2
87.5°	67.0
90°	1.1
92.5°	1.1
95°	1.1
97.5°	1.1
100°	1.1
102.5°	1.1
105°	1.1
107.5°	2.3
110°	2.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.3
115°	2.3
117.5°	2.3
120°	2.3
122.5°	2.3
125°	2.3
127.5°	3.4
130°	3.4
132.5°	3.4
135°	4.5
137.5°	4.5
140°	5.7
142.5°	6.8
145°	8.0
147.5°	9.1
150°	10.2
152.5°	10.2
155°	10.2
157.5°	10.2
160°	10.2
162.5°	11.4
165°	11.4
167.5°	12.5
170°	12.5
172.5°	12.5
175°	13.6
177.5°	13.6
180°	13.6

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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	13.05	14.28	13.42	14.59	14.91	13.05	14.28	13.42	14.59	14.91
	3H	15.10	16.19	15.48	16.53	16.90	15.10	16.19	15.48	16.53	16.90
	4H	15.84	16.87	16.25	17.22	17.61	15.84	16.87	16.25	17.22	17.61
	6H	16.36	17.30	16.78	17.68	18.07	16.36	17.30	16.78	17.68	18.07
	8H	16.51	17.40	16.95	17.79	18.21	16.51	17.40	16.95	17.79	18.21
	12H	16.59	17.44	17.02	17.82	18.26	16.59	17.44	17.02	17.82	18.26
4H	2H	13.64	14.66	14.05	15.02	15.41	13.64	14.66	14.05	15.02	15.41
	3H	15.86	16.70	16.27	17.11	17.52	15.86	16.70	16.27	17.11	17.52
	4H	16.71	17.46	17.15	17.89	18.34	16.71	17.46	17.15	17.89	18.34
	6H	17.33	17.99	17.80	18.44	18.91	17.33	17.99	17.80	18.44	18.91
	8H	17.52	18.13	17.99	18.58	19.05	17.52	18.13	17.99	18.58	19.05
	12H	17.62	18.16	18.11	18.65	19.13	17.62	18.16	18.11	18.65	19.13
8H	4H	16.94	17.56	17.42	18.01	18.48	16.94	17.56	17.42	18.01	18.48
	6H	17.67	18.17	18.18	18.67	19.16	17.67	18.17	18.18	18.67	19.16
	8H	17.92	18.37	18.45	18.88	19.38	17.92	18.37	18.45	18.88	19.38
	12H	18.09	18.48	18.61	18.98	19.56	18.09	18.48	18.61	18.98	19.56
12H	4H	16.95	17.49	17.44	17.97	18.45	16.95	17.49	17.44	17.97	18.45
	6H	17.70	18.14	18.22	18.66	19.16	17.70	18.14	18.22	18.66	19.16
	8H	17.99	18.38	18.51	18.88	19.46	17.99	18.38	18.51	18.88	19.46