

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: P1221339

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221339
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
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 (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

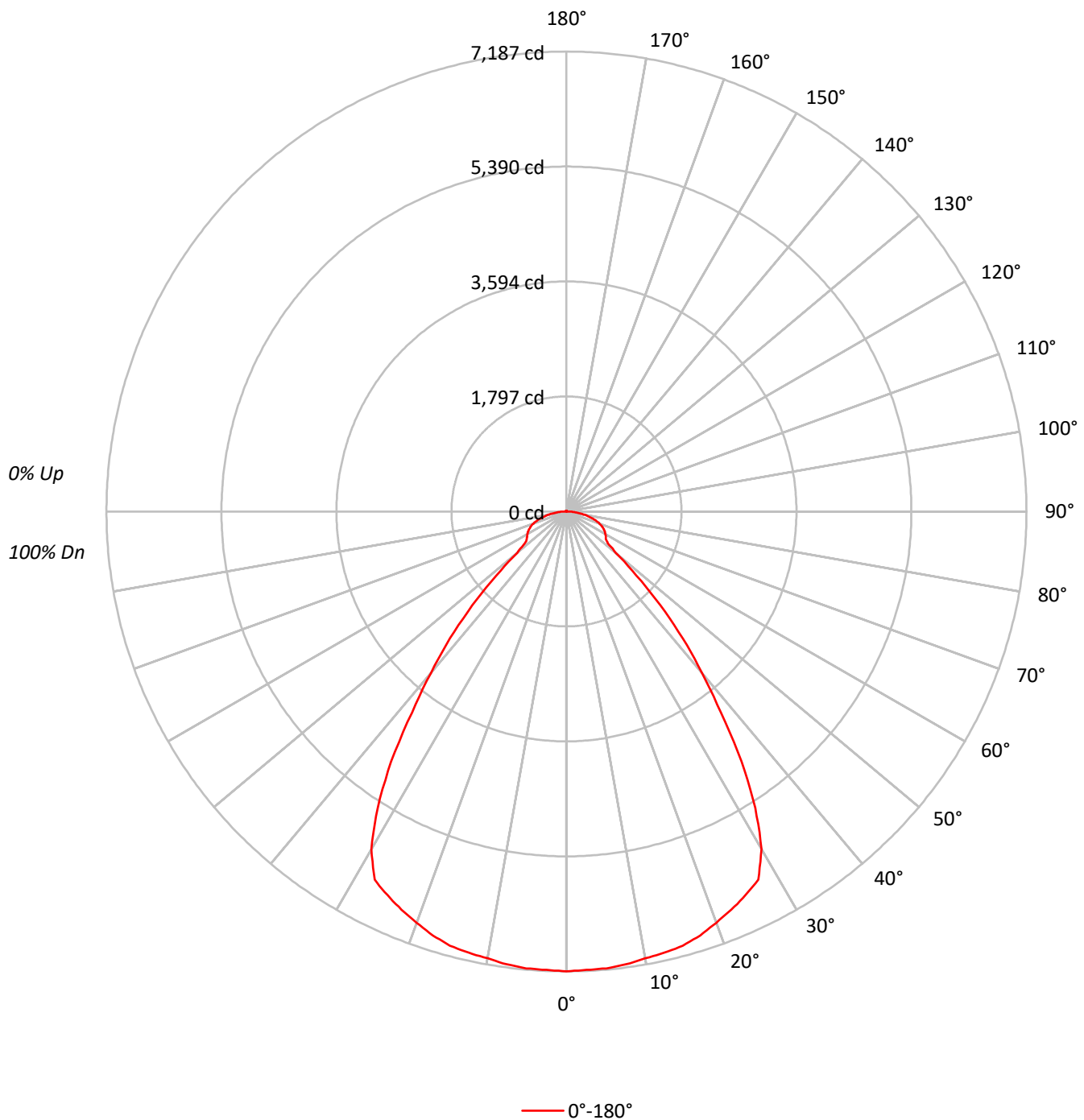
Lumens per Lamp: N/A
Luminaire Lumens: 12176.2 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63		
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58	57		
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39291
5°	37567
10°	35971
15°	34765
20°	33299
25°	31934
30°	29383
35°	23162
40°	16214
45°	10452
50°	5200
55°	4068
60°	3985
65°	3848
70°	3539
75°	2961
80°	2133
85°	1123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.6	5.6
10°-20°	1980.7	16.3
20°-30°	3035.6	24.9
30°-40°	2935.9	24.1
40°-50°	1601.2	13.2
50°-60°	703.9	5.8
60°-70°	628.8	5.2
70°-80°	440.2	3.6
80°-90°	142.7	1.2
90°-100°	1.9	0.0
100°-110°	1.8	0.0
110°-120°	2.2	0.0
120°-130°	2.8	0.0
130°-140°	4.0	0.0
140°-150°	5.4	0.0
150°-160°	4.2	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5697.9	46.8
0°-40°	8633.8	70.9
0°-60°	10939.0	89.8
0°-90°	12150.7	99.8
90°-120°	5.8	0.0
90°-150°	18.0	0.1
90°-180°	26.0	0.2
0°-180°	12176.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7187	
5°	7167	682
15°	7025	1981
25°	6618	3036
35°	4773	2936
45°	2077	1601
55°	754	704
65°	640	629
75°	421	440
85°	128	134
90°	2	9
95°	2	1
105°	2	2
115°	2	2
125°	3	3
135°	5	4
145°	8	5
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7187.1
2.5°	7170.2
5°	7166.8
7.5°	7138.1
10°	7092.4
12.5°	7062.9
15°	7024.9
17.5°	6945.4
20°	6840.7
22.5°	6734.2
25°	6617.6
27.5°	6488.4
30°	6095.5
32.5°	5490.6
35°	4773.4
37.5°	3961.5
40°	3294.0
42.5°	2691.7
45°	2076.6
47.5°	1481.9
50°	1002.0
52.5°	812.7
55°	753.6
57.5°	729.1
60°	702.9
62.5°	675.9
65°	639.5
67.5°	597.3
70°	547.5
72.5°	489.2
75°	420.7
77.5°	348.1
80°	273.7
82.5°	200.2
85°	127.6
87.5°	59.1
90°	1.7
92.5°	1.7
95°	1.7
97.5°	1.7
100°	1.7
102.5°	1.7
105°	1.7
107.5°	1.7
110°	1.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	2.5
117.5°	2.5
120°	2.5
122.5°	2.5
125°	3.4
127.5°	3.4
130°	4.2
132.5°	4.2
135°	5.1
137.5°	5.9
140°	6.8
142.5°	7.6
145°	8.4
147.5°	10.1
150°	10.1
152.5°	10.1
155°	8.4
157.5°	8.4
160°	8.4
162.5°	8.4
165°	8.4
167.5°	8.4
170°	9.3
172.5°	9.3
175°	9.3
177.5°	9.3
180°	9.3

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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	13.52	14.82	13.89	15.14	15.46	13.52	14.82	13.89	15.14	15.46
	3H	15.69	16.85	16.08	17.19	17.56	15.69	16.85	16.08	17.19	17.56
	4H	16.47	17.55	16.88	17.91	18.29	16.47	17.55	16.88	17.91	18.29
	6H	16.97	17.97	17.39	18.34	18.74	16.97	17.97	17.39	18.34	18.74
	8H	17.10	18.04	17.53	18.44	18.85	17.10	18.04	17.53	18.44	18.85
	12H	17.16	18.06	17.60	18.45	18.89	17.16	18.06	17.60	18.45	18.89
4H	2H	14.17	15.25	14.57	15.60	15.99	14.17	15.25	14.57	15.60	15.99
	3H	16.50	17.39	16.91	17.80	18.21	16.50	17.39	16.91	17.80	18.21
	4H	17.37	18.17	17.81	18.60	19.04	17.37	18.17	17.81	18.60	19.04
	6H	17.97	18.67	18.43	19.12	19.59	17.97	18.67	18.43	19.12	19.59
	8H	18.13	18.78	18.60	19.23	19.71	18.13	18.78	18.60	19.23	19.71
	12H	18.21	18.79	18.70	19.28	19.76	18.21	18.79	18.70	19.28	19.76
8H	4H	17.61	18.27	18.09	18.72	19.19	17.61	18.27	18.09	18.72	19.19
	6H	18.31	18.84	18.81	19.34	19.83	18.31	18.84	18.81	19.34	19.83
	8H	18.52	19.00	19.05	19.52	20.01	18.52	19.00	19.05	19.52	20.01
	12H	18.66	19.08	19.18	19.58	20.15	18.66	19.08	19.18	19.58	20.15
12H	4H	17.62	18.20	18.11	18.68	19.16	17.62	18.20	18.11	18.68	19.16
	6H	18.33	18.81	18.85	19.32	19.82	18.33	18.81	18.85	19.32	19.82
	8H	18.59	19.01	19.10	19.50	20.08	18.59	19.01	19.10	19.50	20.08

END OF REPORT