

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: P1221321

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221321
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

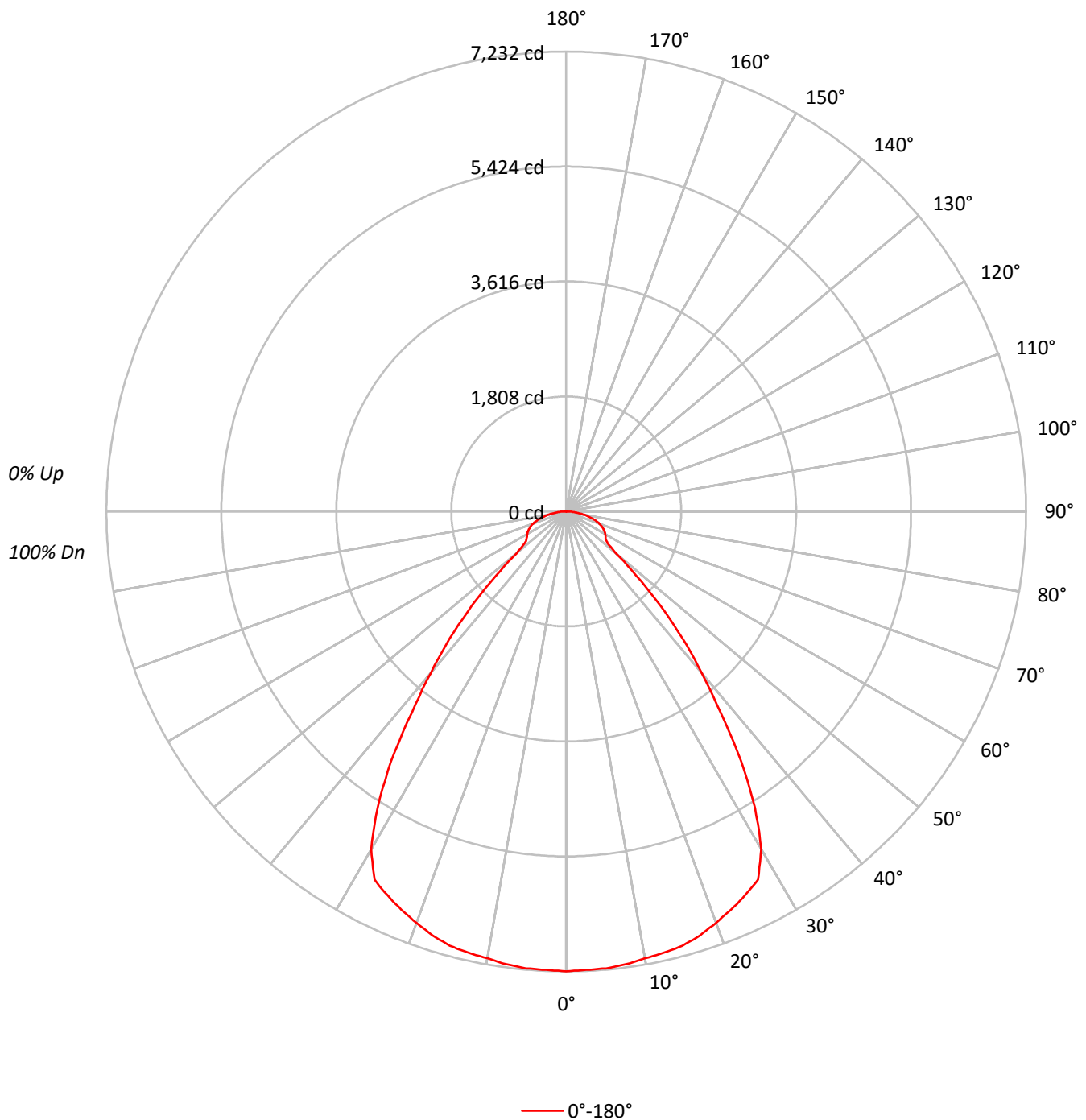
Lumens per Lamp: N/A
Luminaire Lumens: 12253.4 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	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°	39539
5°	37805
10°	36199
15°	34985
20°	33510
25°	32136
30°	29570
35°	23308
40°	16317
45°	10518
50°	5232
55°	4094
60°	4011
65°	3873
70°	3561
75°	2980
80°	2147
85°	1130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.9	5.6
10°-20°	1993.2	16.3
20°-30°	3054.8	24.9
30°-40°	2954.5	24.1
40°-50°	1611.3	13.2
50°-60°	708.4	5.8
60°-70°	632.8	5.2
70°-80°	443.0	3.6
80°-90°	143.7	1.2
90°-100°	1.9	0.0
100°-110°	1.8	0.0
110°-120°	2.2	0.0
120°-130°	2.9	0.0
130°-140°	4.0	0.0
140°-150°	5.4	0.0
150°-160°	4.3	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5734.0	46.8
0°-40°	8688.4	70.9
0°-60°	11008.1	89.8
0°-90°	12227.6	99.8
90°-120°	5.9	0.0
90°-150°	18.2	0.1
90°-180°	26.0	0.2
0°-180°	12253.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7232	
5°	7212	686
15°	7069	1993
25°	6660	3055
35°	4804	2954
45°	2090	1611
55°	758	708
65°	644	633
75°	423	443
85°	128	135
90°	2	9
95°	2	1
105°	2	2
115°	3	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°	7232.5
2.5°	7215.5
5°	7212.1
7.5°	7183.2
10°	7137.3
12.5°	7107.5
15°	7069.3
17.5°	6989.4
20°	6883.9
22.5°	6776.8
25°	6659.5
27.5°	6529.4
30°	6134.1
32.5°	5525.4
35°	4803.5
37.5°	3986.5
40°	3314.9
42.5°	2708.7
45°	2089.8
47.5°	1491.2
50°	1008.3
52.5°	817.9
55°	758.4
57.5°	733.7
60°	707.4
62.5°	680.1
65°	643.6
67.5°	601.1
70°	550.9
72.5°	492.3
75°	423.4
77.5°	350.3
80°	275.5
82.5°	201.5
85°	128.4
87.5°	59.5
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°	2.6
117.5°	2.6
120°	2.6
122.5°	2.6
125°	3.4
127.5°	3.4
130°	4.3
132.5°	4.3
135°	5.1
137.5°	6.0
140°	6.8
142.5°	7.7
145°	8.5
147.5°	10.2
150°	10.2
152.5°	10.2
155°	8.5
157.5°	8.5
160°	8.5
162.5°	8.5
165°	8.5
167.5°	8.5
170°	9.4
172.5°	9.4
175°	9.4
177.5°	9.4
180°	9.4

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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	13.55	14.84	13.92	15.16	15.48	13.55	14.84	13.92	15.16	15.48
	3H	15.72	16.87	16.10	17.21	17.58	15.72	16.87	16.10	17.21	17.58
	4H	16.49	17.57	16.90	17.93	18.32	16.49	17.57	16.90	17.93	18.32
	6H	16.99	17.99	17.41	18.36	18.76	16.99	17.99	17.41	18.36	18.76
	8H	17.12	18.07	17.56	18.46	18.87	17.12	18.07	17.56	18.46	18.87
	12H	17.18	18.08	17.62	18.47	18.91	17.18	18.08	17.62	18.47	18.91
4H	2H	14.19	15.27	14.60	15.63	16.01	14.19	15.27	14.60	15.63	16.01
	3H	16.52	17.41	16.93	17.82	18.23	16.52	17.41	16.93	17.82	18.23
	4H	17.39	18.19	17.83	18.62	19.07	17.39	18.19	17.83	18.62	19.07
	6H	17.99	18.69	18.46	19.14	19.61	17.99	18.69	18.46	19.14	19.61
	8H	18.15	18.80	18.62	19.25	19.73	18.15	18.80	18.62	19.25	19.73
	12H	18.23	18.81	18.72	19.30	19.78	18.23	18.81	18.72	19.30	19.78
8H	4H	17.64	18.29	18.11	18.74	19.21	17.64	18.29	18.11	18.74	19.21
	6H	18.33	18.86	18.83	19.36	19.85	18.33	18.86	18.83	19.36	19.85
	8H	18.54	19.02	19.07	19.54	20.04	18.54	19.02	19.07	19.54	20.04
	12H	18.68	19.10	19.20	19.60	20.18	18.68	19.10	19.20	19.60	20.18
12H	4H	17.64	18.22	18.13	18.70	19.18	17.64	18.22	18.13	18.70	19.18
	6H	18.35	18.83	18.87	19.35	19.84	18.35	18.83	18.87	19.35	19.84
	8H	18.61	19.03	19.13	19.53	20.10	18.61	19.03	19.13	19.53	20.10

END OF REPORT