

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: P1221324

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221324
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_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

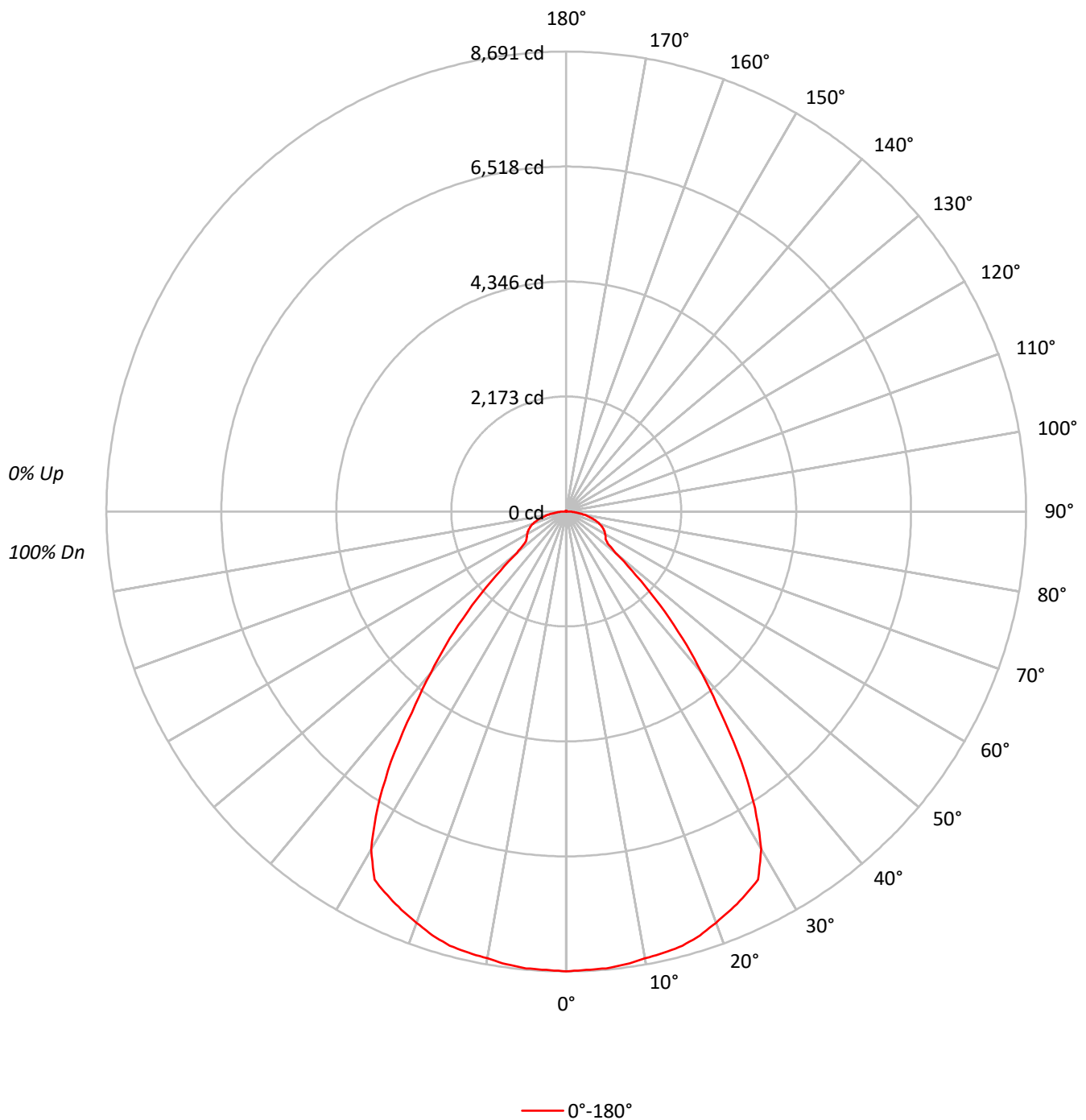
Lumens per Lamp: N/A
Luminaire Lumens: 14724.6 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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°	47514
5°	45430
10°	43500
15°	42041
20°	40269
25°	38618
30°	35533
35°	28009
40°	19608
45°	12639
50°	6288
55°	4919
60°	4819
65°	4654
70°	4279
75°	3581
80°	2579
85°	1358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12639 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.3	5.6
10°-20°	2395.3	16.3
20°-30°	3670.9	24.9
30°-40°	3550.4	24.1
40°-50°	1936.3	13.2
50°-60°	851.2	5.8
60°-70°	760.4	5.2
70°-80°	532.3	3.6
80°-90°	172.6	1.2
90°-100°	2.2	0.0
100°-110°	2.1	0.0
110°-120°	2.7	0.0
120°-130°	3.4	0.0
130°-140°	4.8	0.0
140°-150°	6.5	0.0
150°-160°	5.1	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	6890.5	46.8
0°-40°	10440.9	70.9
0°-60°	13228.4	89.8
0°-90°	14693.8	99.8
90°-120°	7.0	0.0
90°-150°	21.7	0.1
90°-180°	31.0	0.2
0°-180°	14724.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8691	
5°	8667	824
15°	8495	2395
25°	8003	3671
35°	5772	3550
45°	2511	1936
55°	911	851
65°	773	760
75°	509	532
85°	154	163
90°	2	11
95°	2	2
105°	2	2
115°	3	3
125°	4	3
135°	6	5
145°	10	7
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8691.3
2.5°	8670.9
5°	8666.8
7.5°	8632.1
10°	8576.9
12.5°	8541.1
15°	8495.1
17.5°	8399.1
20°	8272.4
22.5°	8143.7
25°	8002.7
27.5°	7846.4
30°	7371.3
32.5°	6639.8
35°	5772.4
37.5°	4790.6
40°	3983.5
42.5°	3255.0
45°	2511.3
47.5°	1792.0
50°	1211.7
52.5°	982.8
55°	911.3
57.5°	881.7
60°	850.0
62.5°	817.3
65°	773.4
67.5°	722.3
70°	662.0
72.5°	591.5
75°	508.8
77.5°	420.9
80°	331.0
82.5°	242.1
85°	154.3
87.5°	71.5
90°	2.0
92.5°	2.0
95°	2.0
97.5°	2.0
100°	2.0
102.5°	2.0
105°	2.0
107.5°	2.0
110°	2.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
115°	3.1
117.5°	3.1
120°	3.1
122.5°	3.1
125°	4.1
127.5°	4.1
130°	5.1
132.5°	5.1
135°	6.1
137.5°	7.2
140°	8.2
142.5°	9.2
145°	10.2
147.5°	12.3
150°	12.3
152.5°	12.3
155°	10.2
157.5°	10.2
160°	10.2
162.5°	10.2
165°	10.2
167.5°	10.2
170°	11.2
172.5°	11.2
175°	11.2
177.5°	11.2
180°	11.2

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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	14.18	15.48	14.55	15.80	16.12	14.18	15.48	14.55	15.80	16.12
	3H	16.35	17.51	16.74	17.85	18.22	16.35	17.51	16.74	17.85	18.22
	4H	17.13	18.21	17.54	18.57	18.95	17.13	18.21	17.54	18.57	18.95
	6H	17.63	18.63	18.05	19.00	19.40	17.63	18.63	18.05	19.00	19.40
	8H	17.76	18.70	18.19	19.10	19.51	17.76	18.70	18.19	19.10	19.51
	12H	17.82	18.72	18.26	19.11	19.55	17.82	18.72	18.26	19.11	19.55
4H	2H	14.83	15.91	15.23	16.26	16.65	14.83	15.91	15.23	16.26	16.65
	3H	17.16	18.05	17.57	18.46	18.87	17.16	18.05	17.57	18.46	18.87
	4H	18.03	18.83	18.47	19.26	19.70	18.03	18.83	18.47	19.26	19.70
	6H	18.63	19.33	19.09	19.78	20.25	18.63	19.33	19.09	19.78	20.25
	8H	18.79	19.44	19.26	19.89	20.37	18.79	19.44	19.26	19.89	20.37
	12H	18.87	19.45	19.36	19.94	20.42	18.87	19.45	19.36	19.94	20.42
8H	4H	18.27	18.93	18.75	19.38	19.85	18.27	18.93	18.75	19.38	19.85
	6H	18.97	19.50	19.47	20.00	20.49	18.97	19.50	19.47	20.00	20.49
	8H	19.18	19.66	19.71	20.18	20.67	19.18	19.66	19.71	20.18	20.67
	12H	19.32	19.74	19.84	20.24	20.81	19.32	19.74	19.84	20.24	20.81
12H	4H	18.28	18.86	18.77	19.34	19.82	18.28	18.86	18.77	19.34	19.82
	6H	18.99	19.47	19.51	19.98	20.48	18.99	19.47	19.51	19.98	20.48
	8H	19.25	19.67	19.76	20.16	20.74	19.25	19.67	19.76	20.16	20.74