

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: P1221312

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221312
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

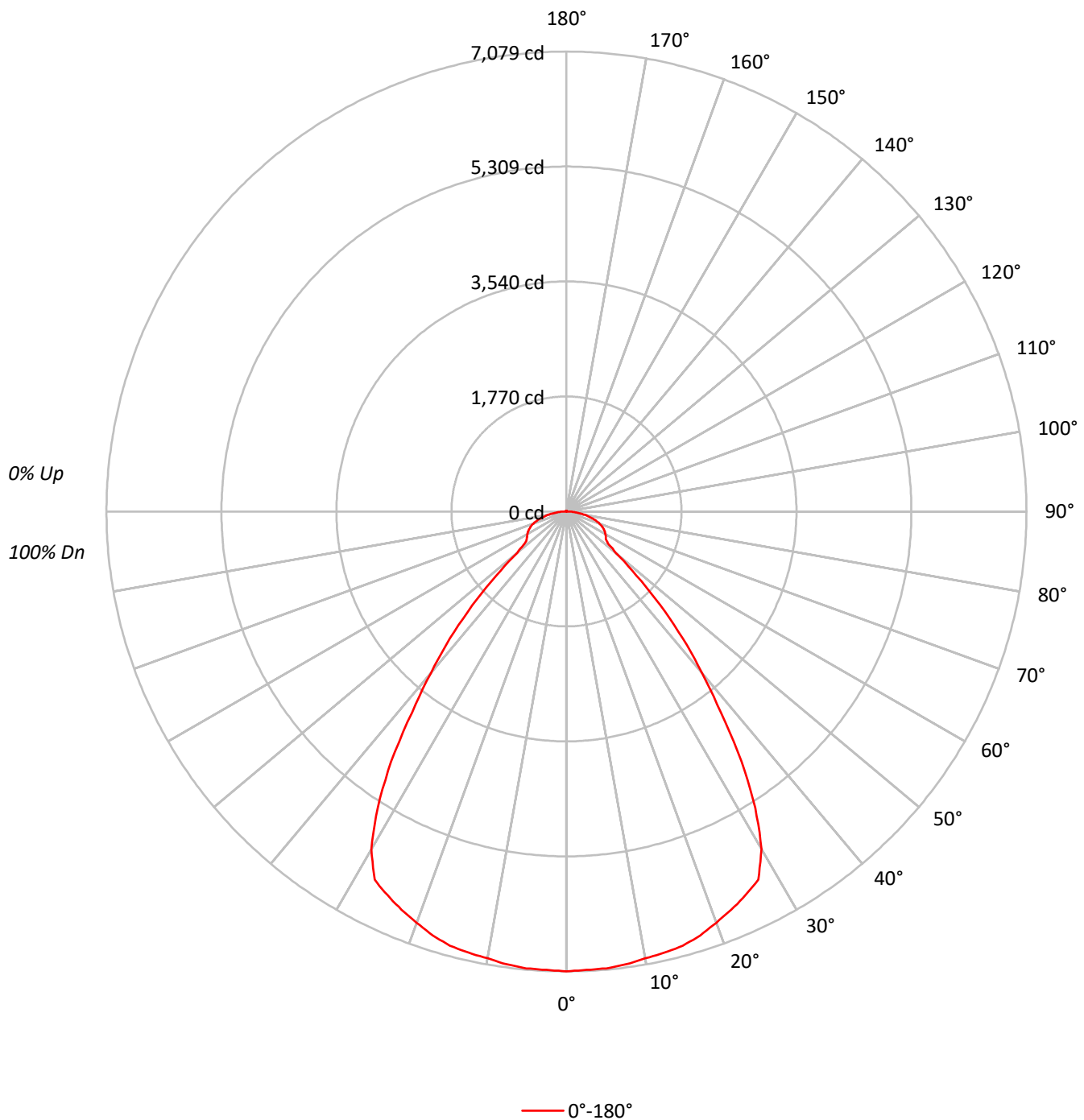
Lumens per Lamp: N/A
Luminaire Lumens: 11993.5 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	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°	38700
5°	37003
10°	35431
15°	34243
20°	32800
25°	31455
30°	28942
35°	22814
40°	15971
45°	10295
50°	5121
55°	4007
60°	3925
65°	3790
70°	3485
75°	2917
80°	2101
85°	1106

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10295 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.4	5.6
10°-20°	1951.0	16.3
20°-30°	2990.0	24.9
30°-40°	2891.8	24.1
40°-50°	1577.1	13.1
50°-60°	693.3	5.8
60°-70°	619.3	5.2
70°-80°	433.6	3.6
80°-90°	140.6	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°	3.9	0.0
140°-150°	5.3	0.0
150°-160°	4.2	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5612.4	46.8
0°-40°	8504.2	70.9
0°-60°	10774.7	89.8
0°-90°	11968.3	99.8
90°-120°	5.8	0.0
90°-150°	17.9	0.1
90°-180°	25.0	0.2
0°-180°	11993.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7079	
5°	7059	671
15°	6919	1951
25°	6518	2990
35°	4702	2892
45°	2045	1577
55°	742	693
65°	630	619
75°	414	434
85°	126	132
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°	7079.1
2.5°	7062.5
5°	7059.2
7.5°	7030.9
10°	6985.9
12.5°	6956.8
15°	6919.4
17.5°	6841.1
20°	6738.0
22.5°	6633.1
25°	6518.3
27.5°	6391.0
30°	6004.0
32.5°	5408.2
35°	4701.7
37.5°	3902.0
40°	3244.6
42.5°	2651.2
45°	2045.4
47.5°	1459.6
50°	986.9
52.5°	800.5
55°	742.3
57.5°	718.2
60°	692.4
62.5°	665.7
65°	629.9
67.5°	588.3
70°	539.2
72.5°	481.8
75°	414.4
77.5°	342.8
80°	269.6
82.5°	197.2
85°	125.7
87.5°	58.3
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°	3.3
127.5°	3.3
130°	4.2
132.5°	4.2
135°	5.0
137.5°	5.8
140°	6.7
142.5°	7.5
145°	8.3
147.5°	10.0
150°	10.0
152.5°	10.0
155°	8.3
157.5°	8.3
160°	8.3
162.5°	8.3
165°	8.3
167.5°	8.3
170°	9.2
172.5°	9.2
175°	9.2
177.5°	9.2
180°	9.2

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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	13.47	14.77	13.84	15.08	15.41	13.47	14.77	13.84	15.08	15.41
	3H	15.64	16.80	16.02	17.13	17.50	15.64	16.80	16.02	17.13	17.50
	4H	16.42	17.50	16.82	17.85	18.24	16.42	17.50	16.82	17.85	18.24
	6H	16.92	17.91	17.34	18.29	18.69	16.92	17.91	17.34	18.29	18.69
	8H	17.05	17.99	17.48	18.39	18.80	17.05	17.99	17.48	18.39	18.80
	12H	17.11	18.01	17.54	18.40	18.83	17.11	18.01	17.54	18.40	18.83
4H	2H	14.12	15.20	14.52	15.55	15.94	14.12	15.20	14.52	15.55	15.94
	3H	16.44	17.34	16.86	17.75	18.16	16.44	17.34	16.86	17.75	18.16
	4H	17.31	18.12	17.75	18.54	18.99	17.31	18.12	17.75	18.54	18.99
	6H	17.91	18.61	18.38	19.06	19.53	17.91	18.61	18.38	19.06	19.53
	8H	18.07	18.73	18.55	19.18	19.65	18.07	18.73	18.55	19.18	19.65
	12H	18.16	18.74	18.65	19.22	19.70	18.16	18.74	18.65	19.22	19.70
8H	4H	17.56	18.21	18.03	18.66	19.14	17.56	18.21	18.03	18.66	19.14
	6H	18.25	18.79	18.76	19.29	19.77	18.25	18.79	18.76	19.29	19.77
	8H	18.47	18.95	18.99	19.47	19.96	18.47	18.95	18.99	19.47	19.96
	12H	18.61	19.03	19.12	19.53	20.10	18.61	19.03	19.12	19.53	20.10
12H	4H	17.57	18.14	18.06	18.63	19.11	17.57	18.14	18.06	18.63	19.11
	6H	18.27	18.75	18.80	19.27	19.77	18.27	18.75	18.80	19.27	19.77
	8H	18.53	18.95	19.05	19.45	20.03	18.53	18.95	19.05	19.45	20.03