

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: P1221181

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221181
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

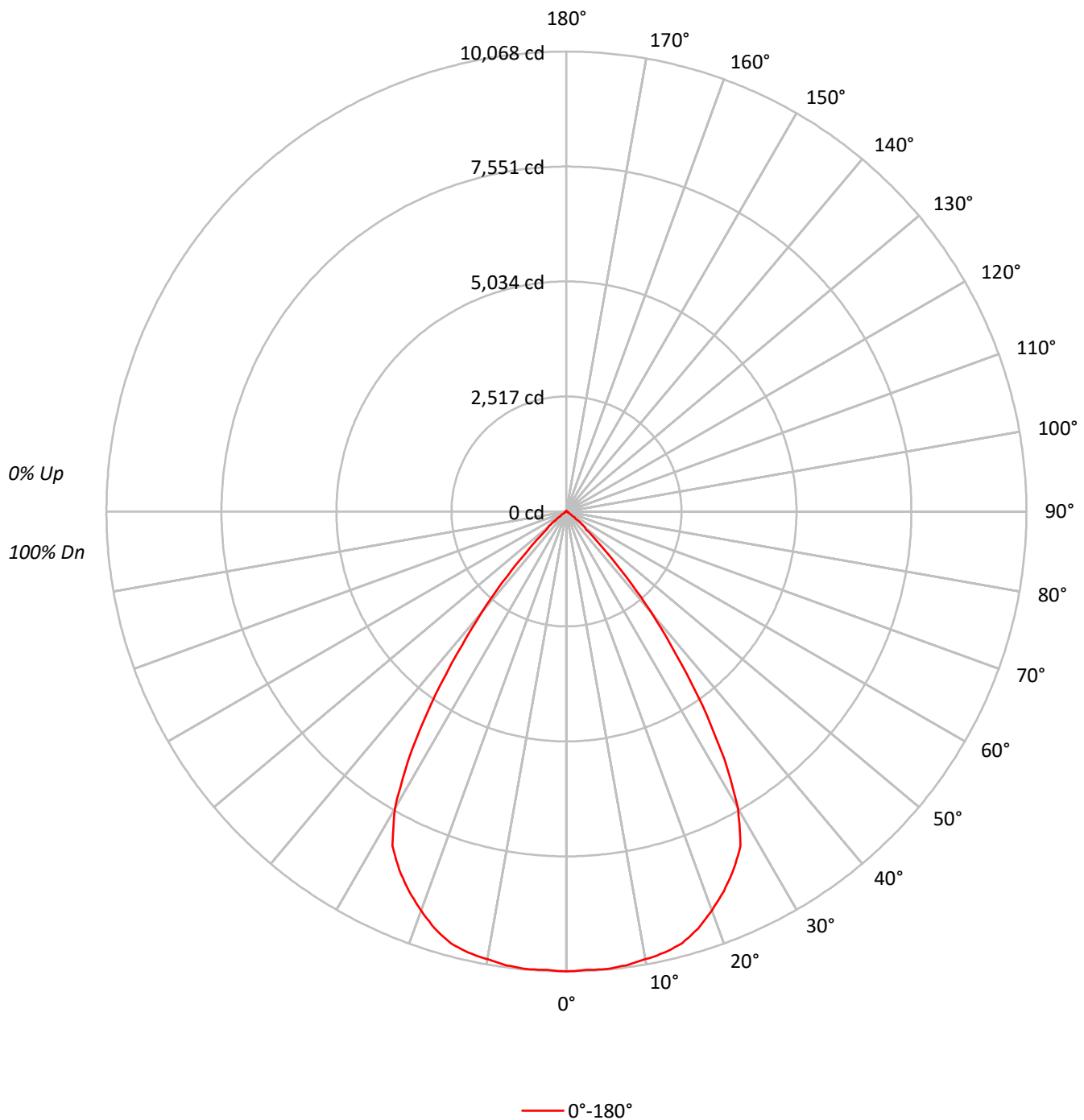
Lumens per Lamp: N/A
Luminaire Lumens: 12058.6 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 120.8
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	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93							
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86							
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79							
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	81	77	74	73							
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67							
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62							
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58							
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	54							
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50							
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55043
5°	52710
10°	50490
15°	48421
20°	45261
25°	41776
30°	36213
35°	25160
40°	14125
45°	5473
50°	2549
55°	492
60°	192
65°	176
70°	166
75°	148
80°	118
85°	72

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5473 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.5	7.9
10°-20°	2746.1	22.8
20°-30°	3947.6	32.7
30°-40°	3198.4	26.5
40°-50°	993.5	8.2
50°-60°	145.0	1.2
60°-70°	29.1	0.2
70°-80°	22.1	0.2
80°-90°	8.9	0.1
90°-100°	0.2	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.7	0.0
130°-140°	1.6	0.0
140°-150°	2.9	0.0
150°-160°	3.1	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	7650.2	63.4
0°-40°	10848.6	90.0
0°-60°	11987.1	99.4
0°-90°	12047.2	99.9
90°-120°	0.2	0.0
90°-150°	5.3	0.0
90°-180°	12.0	0.1
0°-180°	12058.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10068	
5°	10056	957
15°	9784	2746
25°	8657	3948
35°	5185	3198
45°	1088	994
55°	91	145
65°	29	29
75°	21	22
85°	8	8
90°	1	1
95°	0	0
105°	0	0
115°	0	0
125°	0	1
135°	2	2
145°	5	3
155°	7	3
165°	8	2
175°	10	1
180°	10	

TEST NUMBER: P1221181

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L18_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10068.5
2.5°	10048.6
5°	10055.6
7.5°	10021.7
10°	9955.1
12.5°	9895.4
15°	9784.3
17.5°	9576.2
20°	9297.9
22.5°	8998.5
25°	8657.0
27.5°	8248.9
30°	7512.2
32.5°	6427.0
35°	5185.1
37.5°	3935.0
40°	2869.7
42.5°	1914.3
45°	1087.5
47.5°	585.9
50°	491.1
52.5°	261.9
55°	91.2
57.5°	47.9
60°	33.9
62.5°	30.4
65°	29.2
67.5°	28.1
70°	25.7
72.5°	23.4
75°	21.0
77.5°	18.7
80°	15.2
82.5°	11.7
85°	8.2
87.5°	4.7
90°	1.2
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0

TEST NUMBER: P1221181

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L18_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	1.2
130°	1.2
132.5°	1.2
135°	2.3
137.5°	2.3
140°	3.5
142.5°	3.5
145°	4.7
147.5°	5.8
150°	5.8
152.5°	5.8
155°	7.0
157.5°	7.0
160°	8.2
162.5°	8.2
165°	8.2
167.5°	9.4
170°	9.4
172.5°	9.4
175°	10.5
177.5°	10.5
180°	10.5

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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

END OF REPORT