

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: P1221200

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221200
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-11)
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 (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

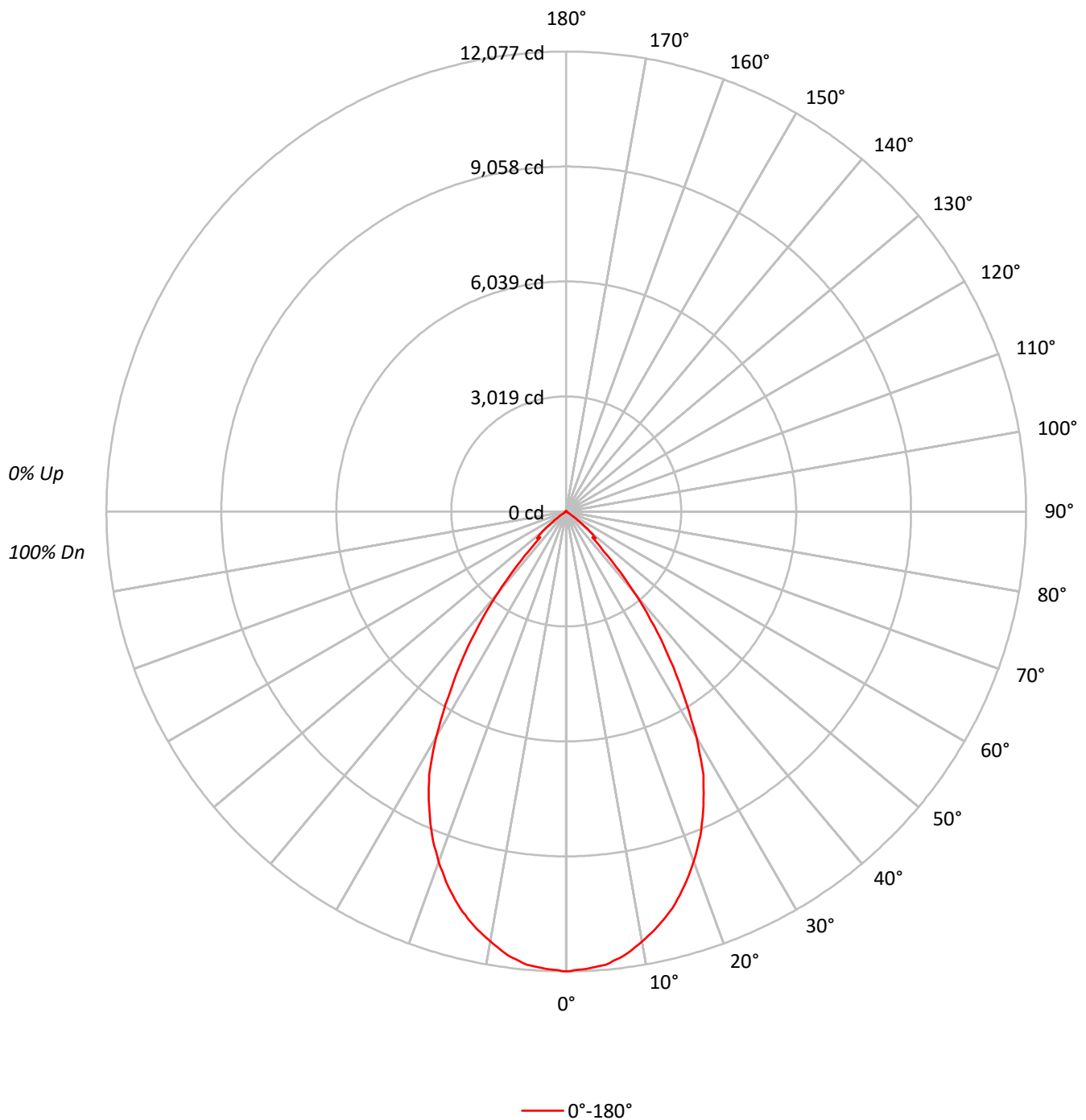
Lumens per Lamp: N/A
Luminaire Lumens: 12299.8 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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	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	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93							
2	107	102	98	95	105	101	97	94	97	94	91	94	92	89	92	89	88	86							
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79							
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73							
5	91	82	76	72	89	81	76	71	79	75	71	78	73	70	76	72	69	68							
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63							
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59							
8	77	67	61	57	76	67	61	57	66	60	57	65	60	56	64	59	56	55							
9	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	52	51							
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66022
5°	62620
10°	58160
15°	53349
20°	47642
25°	41174
30°	32867
35°	23101
40°	13798
45°	4836
50°	4196
55°	609
60°	170
65°	159
70°	147
75°	127
80°	94
85°	53

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 5334 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1124.8	9.1
10°-20°	3014.5	24.5
20°-30°	3876.6	31.5
30°-40°	2955.0	24.0
40°-50°	1056.2	8.6
50°-60°	210.1	1.7
60°-70°	25.9	0.2
70°-80°	18.8	0.2
80°-90°	6.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.3	0.0
140°-150°	2.7	0.0
150°-160°	3.2	0.0
160°-170°	2.6	0.0
170°-180°	1.0	0.0
0°-30°	8015.9	65.2
0°-40°	10971.0	89.2
0°-60°	12237.3	99.5
0°-90°	12288.9	99.9
90°-120°	0.0	0.0
90°-150°	4.1	0.0
90°-180°	11.0	0.1
0°-180°	12299.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12077	
5°	11946	###
15°	10780	3014
25°	8532	3877
35°	4761	2955
45°	961	1056
55°	113	210
65°	26	26
75°	18	19
85°	6	6
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	1	1
145°	5	3
155°	7	3
165°	10	3
175°	11	1
180°	11	

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12076.9
2.5°	12021.7
5°	11946.1
7.5°	11755.4
10°	11467.5
12.5°	11154.4
15°	10780.2
17.5°	10317.2
20°	9787.0
22.5°	9211.2
25°	8532.3
27.5°	7795.8
30°	6818.1
32.5°	5766.1
35°	4760.9
37.5°	3789.3
40°	2803.3
42.5°	1740.5
45°	960.8
47.5°	1044.8
50°	808.5
52.5°	382.7
55°	112.8
57.5°	50.4
60°	30.0
62.5°	27.6
65°	26.4
67.5°	24.0
70°	22.8
72.5°	20.4
75°	18.0
77.5°	15.6
80°	12.0
82.5°	9.6
85°	6.0
87.5°	3.6
90°	0.0
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

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_L18_Narrow_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°	0.0
130°	1.2
132.5°	1.2
135°	1.2
137.5°	2.4
140°	2.4
142.5°	3.6
145°	4.8
147.5°	4.8
150°	6.0
152.5°	6.0
155°	7.2
157.5°	7.2
160°	8.4
162.5°	8.4
165°	9.6
167.5°	9.6
170°	10.8
172.5°	10.8
175°	10.8
177.5°	10.8
180°	10.8

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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