

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: P1221201

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (5000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221201
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

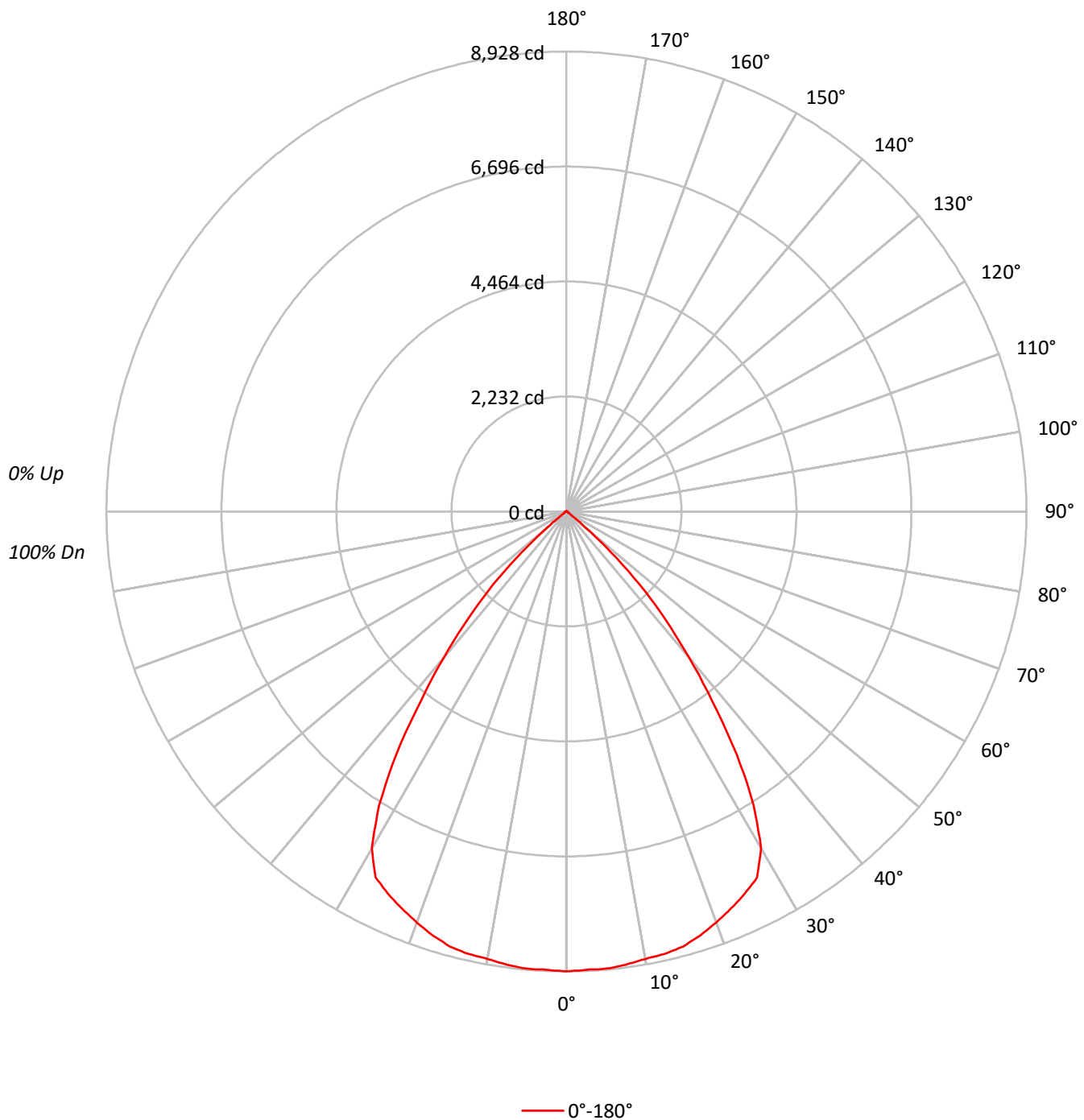
Lumens per Lamp: N/A
Luminaire Lumens: 12327.6 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	60	56	52	51		
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48808
5°	46699
10°	44734
15°	43263
20°	41324
25°	39506
30°	36418
35°	27956
40°	18239
45°	10076
50°	2428
55°	376
60°	218
65°	209
70°	202
75°	177
80°	131
85°	63

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	847.3	6.9
10°-20°	2463.0	20.0
20°-30°	3757.3	30.5
30°-40°	3532.4	28.7
40°-50°	1533.7	12.4
50°-60°	114.9	0.9
60°-70°	34.5	0.3
70°-80°	26.0	0.2
80°-90°	8.5	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°	1.6	0.0
140°-150°	2.7	0.0
150°-160°	2.8	0.0
160°-170°	2.1	0.0
170°-180°	0.8	0.0
0°-30°	7067.6	57.3
0°-40°	10600.0	86.0
0°-60°	12248.6	99.4
0°-90°	12317.5	99.9
90°-120°	0.0	0.0
90°-150°	4.4	0.0
90°-180°	10.0	0.1
0°-180°	12327.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8928	
5°	8909	847
15°	8742	2463
25°	8187	3757
35°	5761	3532
45°	2002	1534
55°	70	115
65°	35	35
75°	25	26
85°	7	8
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	2
145°	5	3
155°	6	3
165°	7	2
175°	8	1
180°	8	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8928.1
2.5°	8905.3
5°	8908.9
7.5°	8872.9
10°	8820.2
12.5°	8797.4
15°	8742.2
17.5°	8629.4
20°	8489.1
22.5°	8345.1
25°	8186.8
27.5°	8012.9
30°	7554.7
32.5°	6763.0
35°	5761.4
37.5°	4649.4
40°	3705.4
42.5°	2834.5
45°	2002.0
47.5°	1176.7
50°	467.8
52.5°	154.7
55°	69.6
57.5°	48.0
60°	38.4
62.5°	36.0
65°	34.8
67.5°	33.6
70°	31.2
72.5°	28.8
75°	25.2
77.5°	20.4
80°	16.8
82.5°	12.0
85°	7.2
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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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°	2.4
137.5°	2.4
140°	3.6
142.5°	3.6
145°	4.8
147.5°	4.8
150°	4.8
152.5°	6.0
155°	6.0
157.5°	6.0
160°	7.2
162.5°	7.2
165°	7.2
167.5°	7.2
170°	8.4
172.5°	8.4
175°	8.4
177.5°	8.4
180°	8.4

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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	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	0.01	0.00	0.00	0.00	0.00	0.01
	8H	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.13
	12H	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.16
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	0.24	0.00	0.00	0.00	0.00	0.24
	8H	0.00	0.00	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.43
	12H	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.00	0.56
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	0.24	0.00	0.00	0.00	0.00	0.24
	8H	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.50

END OF REPORT