

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: P1221199

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221199
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

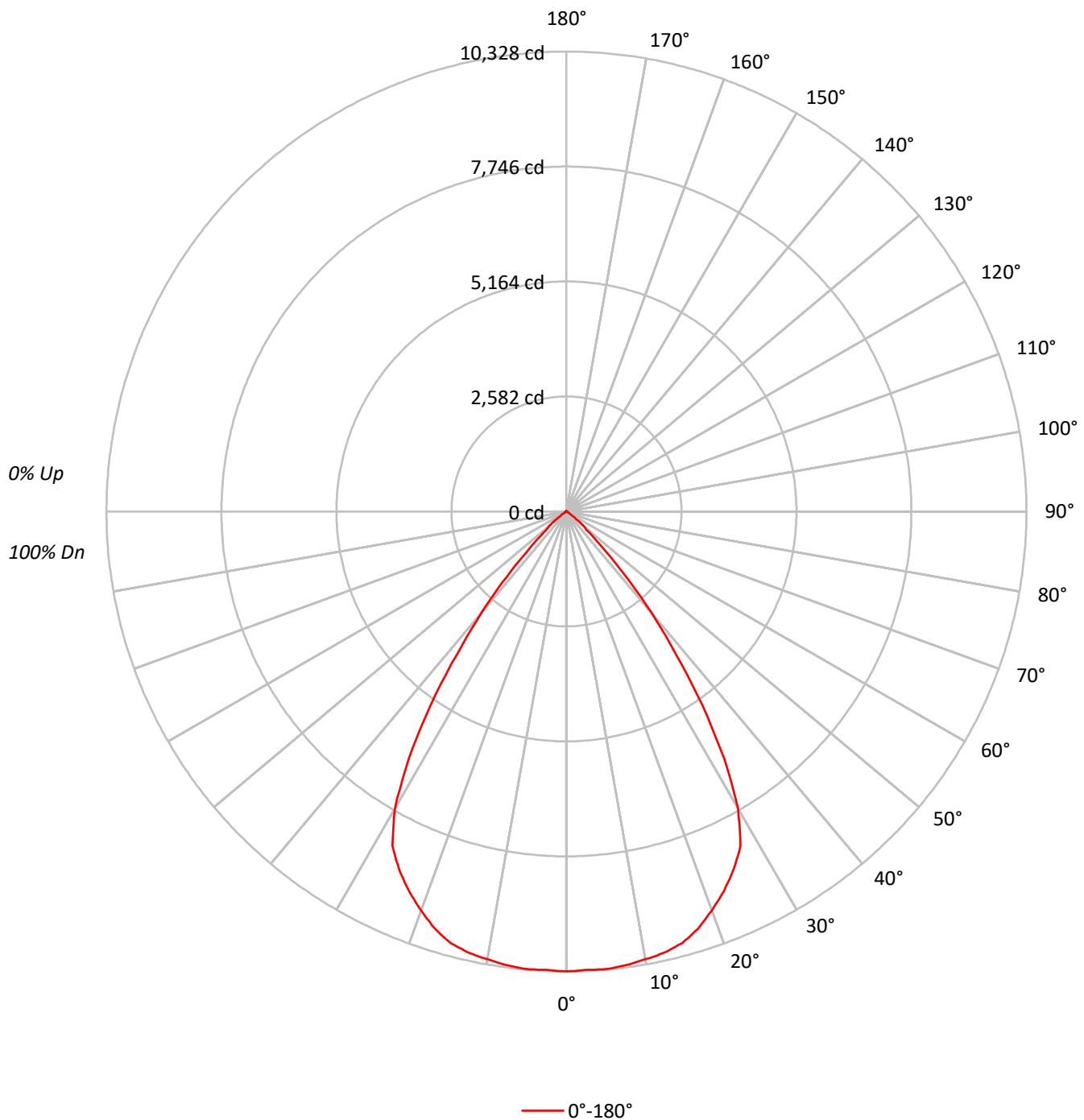
Lumens per Lamp: N/A
Luminaire Lumens: 12369.5 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56461
5°	54069
10°	51791
15°	49669
20°	46427
25°	42852
30°	37146
35°	25808
40°	14490
45°	5615
50°	2614
55°	505
60°	197
65°	181
70°	171
75°	152
80°	122
85°	74

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5615 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	981.2	7.9
10°-20°	2816.9	22.8
20°-30°	4049.3	32.7
30°-40°	3280.8	26.5
40°-50°	1019.2	8.2
50°-60°	148.7	1.2
60°-70°	29.9	0.2
70°-80°	22.7	0.2
80°-90°	9.1	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°	3.0	0.0
150°-160°	3.2	0.0
160°-170°	2.5	0.0
170°-180°	1.0	0.0
0°-30°	7847.3	63.4
0°-40°	11128.2	90.0
0°-60°	12296.1	99.4
0°-90°	12357.7	99.9
90°-120°	0.2	0.0
90°-150°	5.4	0.0
90°-180°	12.0	0.1
0°-180°	12369.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10328	
5°	10315	981
15°	10036	2817
25°	8880	4049
35°	5319	3281
45°	1116	1019
55°	94	149
65°	30	30
75°	22	23
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°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10328.0
2.5°	10307.6
5°	10314.8
7.5°	10280.0
10°	10211.6
12.5°	10150.4
15°	10036.5
17.5°	9823.0
20°	9537.5
22.5°	9230.4
25°	8880.1
27.5°	8461.5
30°	7705.8
32.5°	6592.6
35°	5318.7
37.5°	4036.4
40°	2943.7
42.5°	1963.6
45°	1115.6
47.5°	601.0
50°	503.8
52.5°	268.7
55°	93.6
57.5°	49.2
60°	34.8
62.5°	31.2
65°	30.0
67.5°	28.8
70°	26.4
72.5°	24.0
75°	21.6
77.5°	19.2
80°	15.6
82.5°	12.0
85°	8.4
87.5°	4.8
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

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_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°	2.4
137.5°	2.4
140°	3.6
142.5°	3.6
145°	4.8
147.5°	6.0
150°	6.0
152.5°	6.0
155°	7.2
157.5°	7.2
160°	8.4
162.5°	8.4
165°	8.4
167.5°	9.6
170°	9.6
172.5°	9.6
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	0.04	0.00	0.00	0.00	0.00	0.04
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