

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: P1221173

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221173
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 (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

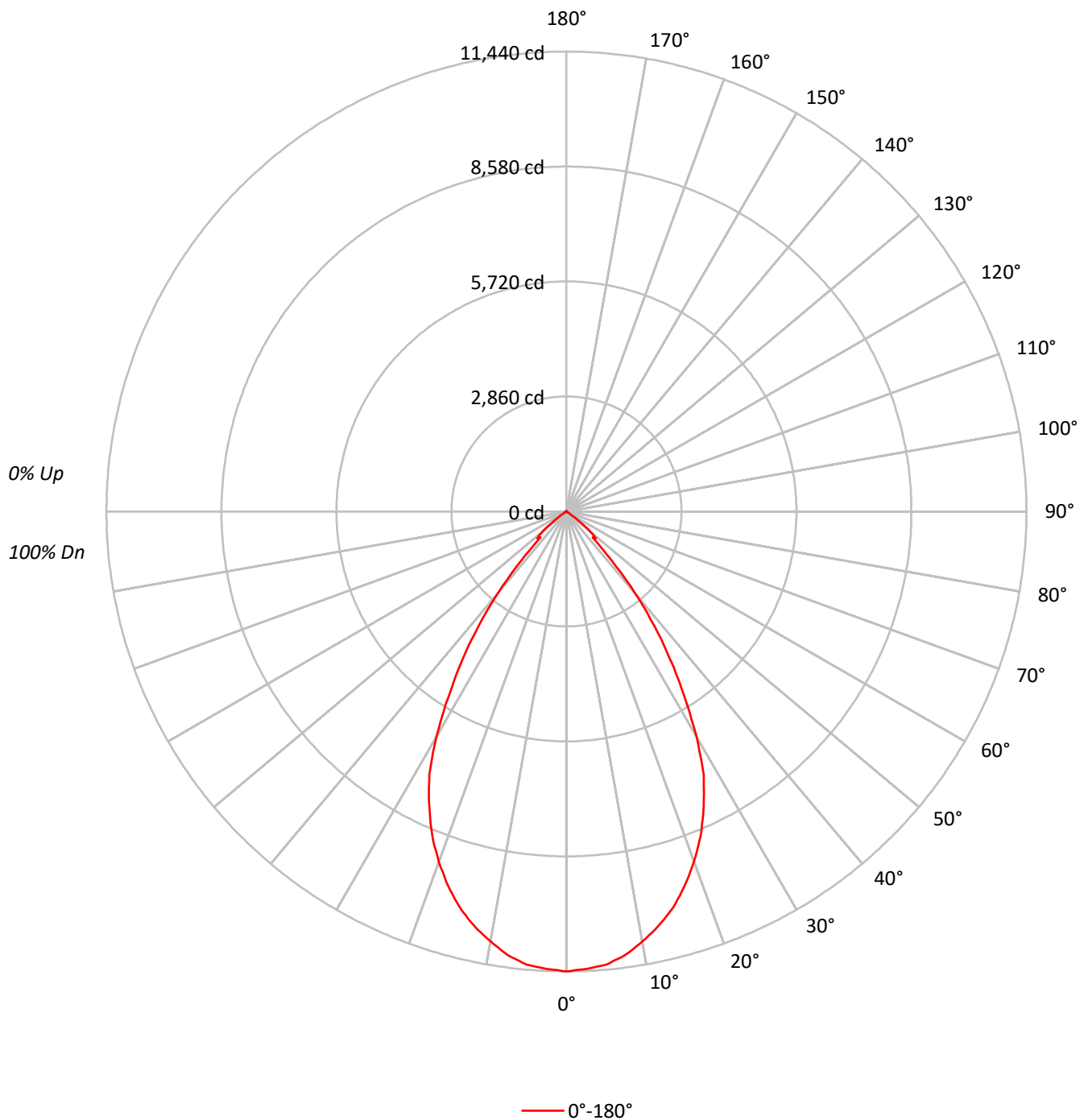
Lumens per Lamp: N/A
Luminaire Lumens: 11651.1 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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	106	111	108	106	104	104	102	101		100	99	98		93
2	107	102	98	95	105	101	97	94	97	94	91		94	92	89		86
3	102	95	90	86	100	94	89	85	91	87	84		88	85	82		79
4	96	88	83	78	94	87	82	78	85	80	77		83	79	76		73
5	91	82	76	72	89	81	76	71	79	75	71		78	73	70		68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		59
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		55
9	73	63	57	53	72	63	57	53	62	57	53		61	56	53		51
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62541
5°	59318
10°	55093
15°	50536
20°	45129
25°	39002
30°	31134
35°	21883
40°	13071
45°	4581
50°	3975
55°	577
60°	161
65°	150
70°	140
75°	120
80°	89
85°	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 5053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1065.5	9.1
10°-20°	2855.5	24.5
20°-30°	3672.2	31.5
30°-40°	2799.2	24.0
40°-50°	1000.6	8.6
50°-60°	199.0	1.7
60°-70°	24.5	0.2
70°-80°	17.8	0.2
80°-90°	6.5	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°	1.2	0.0
140°-150°	2.5	0.0
150°-160°	3.0	0.0
160°-170°	2.5	0.0
170°-180°	1.0	0.0
0°-30°	7593.2	65.2
0°-40°	10392.5	89.2
0°-60°	11592.0	99.5
0°-90°	11640.9	99.9
90°-120°	0.0	0.0
90°-150°	3.8	0.0
90°-180°	10.0	0.1
0°-180°	11651.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11440	
5°	11316	###
15°	10212	2856
25°	8082	3672
35°	4510	2799
45°	910	1001
55°	107	199
65°	25	24
75°	17	18
85°	6	6
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	1	1
145°	4	3
155°	7	3
165°	9	2
175°	10	1
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11440.0
2.5°	11387.8
5°	11316.2
7.5°	11135.5
10°	10862.8
12.5°	10566.2
15°	10211.7
17.5°	9773.1
20°	9270.9
22.5°	8725.5
25°	8082.3
27.5°	7384.7
30°	6458.6
32.5°	5462.1
35°	4509.9
37.5°	3589.5
40°	2655.5
42.5°	1648.7
45°	910.2
47.5°	989.7
50°	765.9
52.5°	362.5
55°	106.8
57.5°	47.7
60°	28.4
62.5°	26.1
65°	25.0
67.5°	22.7
70°	21.6
72.5°	19.3
75°	17.0
77.5°	14.8
80°	11.4
82.5°	9.1
85°	5.7
87.5°	3.4
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°	1.1
132.5°	1.1
135°	1.1
137.5°	2.3
140°	2.3
142.5°	3.4
145°	4.5
147.5°	4.5
150°	5.7
152.5°	5.7
155°	6.8
157.5°	6.8
160°	8.0
162.5°	8.0
165°	9.1
167.5°	9.1
170°	10.2
172.5°	10.2
175°	10.2
177.5°	10.2
180°	10.2

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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	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