

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: P1221170

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221170
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

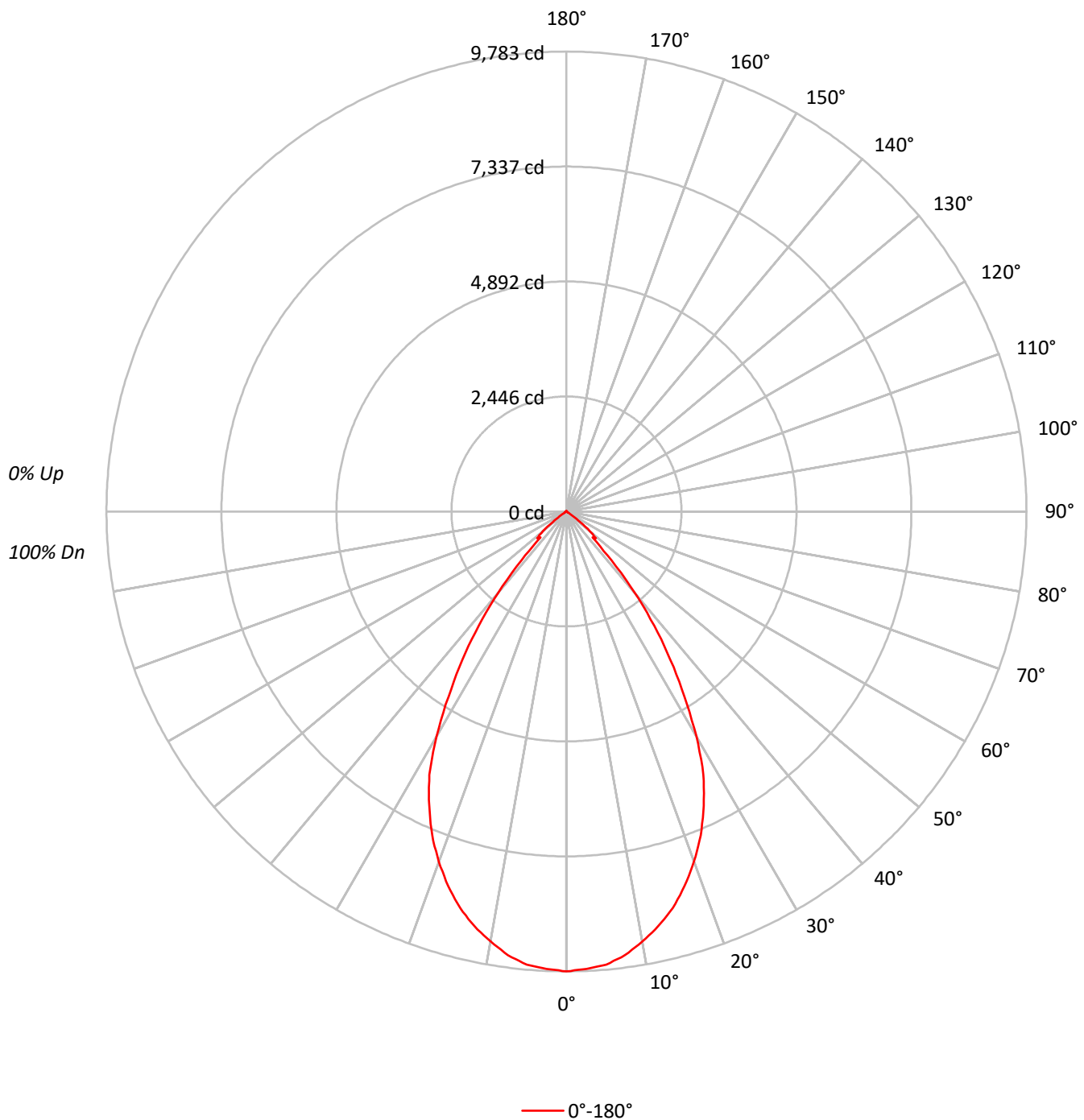
Lumens per Lamp: N/A
Luminaire Lumens: 9963.4 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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°	53481
5°	50725
10°	47112
15°	43215
20°	38592
25°	33352
30°	26624
35°	18713
40°	11177
45°	3917
50°	3399
55°	493
60°	138
65°	129
70°	120
75°	103
80°	76
85°	43

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 4320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.2	9.1
10°-20°	2441.9	24.5
20°-30°	3140.2	31.5
30°-40°	2393.7	24.0
40°-50°	855.6	8.6
50°-60°	170.2	1.7
60°-70°	20.9	0.2
70°-80°	15.3	0.2
80°-90°	5.6	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°	1.0	0.0
140°-150°	2.2	0.0
150°-160°	2.6	0.0
160°-170°	2.1	0.0
170°-180°	0.8	0.0
0°-30°	6493.3	65.2
0°-40°	8887.0	89.2
0°-60°	9912.8	99.5
0°-90°	9954.5	99.9
90°-120°	0.0	0.0
90°-150°	3.3	0.0
90°-180°	9.0	0.1
0°-180°	9963.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9783	
5°	9677	911
15°	8732	2442
25°	6912	3140
35°	3857	2394
45°	778	856
55°	91	170
65°	21	21
75°	15	15
85°	5	5
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	1	1
145°	4	2
155°	6	3
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9782.9
2.5°	9738.2
5°	9676.9
7.5°	9522.4
10°	9289.2
12.5°	9035.6
15°	8732.5
17.5°	8357.4
20°	7927.9
22.5°	7461.5
25°	6911.5
27.5°	6314.9
30°	5523.0
32.5°	4670.9
35°	3856.6
37.5°	3069.5
40°	2270.8
42.5°	1409.9
45°	778.3
47.5°	846.3
50°	654.9
52.5°	310.0
55°	91.3
57.5°	40.8
60°	24.3
62.5°	22.3
65°	21.4
67.5°	19.4
70°	18.5
72.5°	16.5
75°	14.6
77.5°	12.6
80°	9.7
82.5°	7.8
85°	4.9
87.5°	2.9
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°	1.0
132.5°	1.0
135°	1.0
137.5°	1.9
140°	1.9
142.5°	2.9
145°	3.9
147.5°	3.9
150°	4.9
152.5°	4.9
155°	5.8
157.5°	5.8
160°	6.8
162.5°	6.8
165°	7.8
167.5°	7.8
170°	8.7
172.5°	8.7
175°	8.7
177.5°	8.7
180°	8.7

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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