

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: P1221179

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221179
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 (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

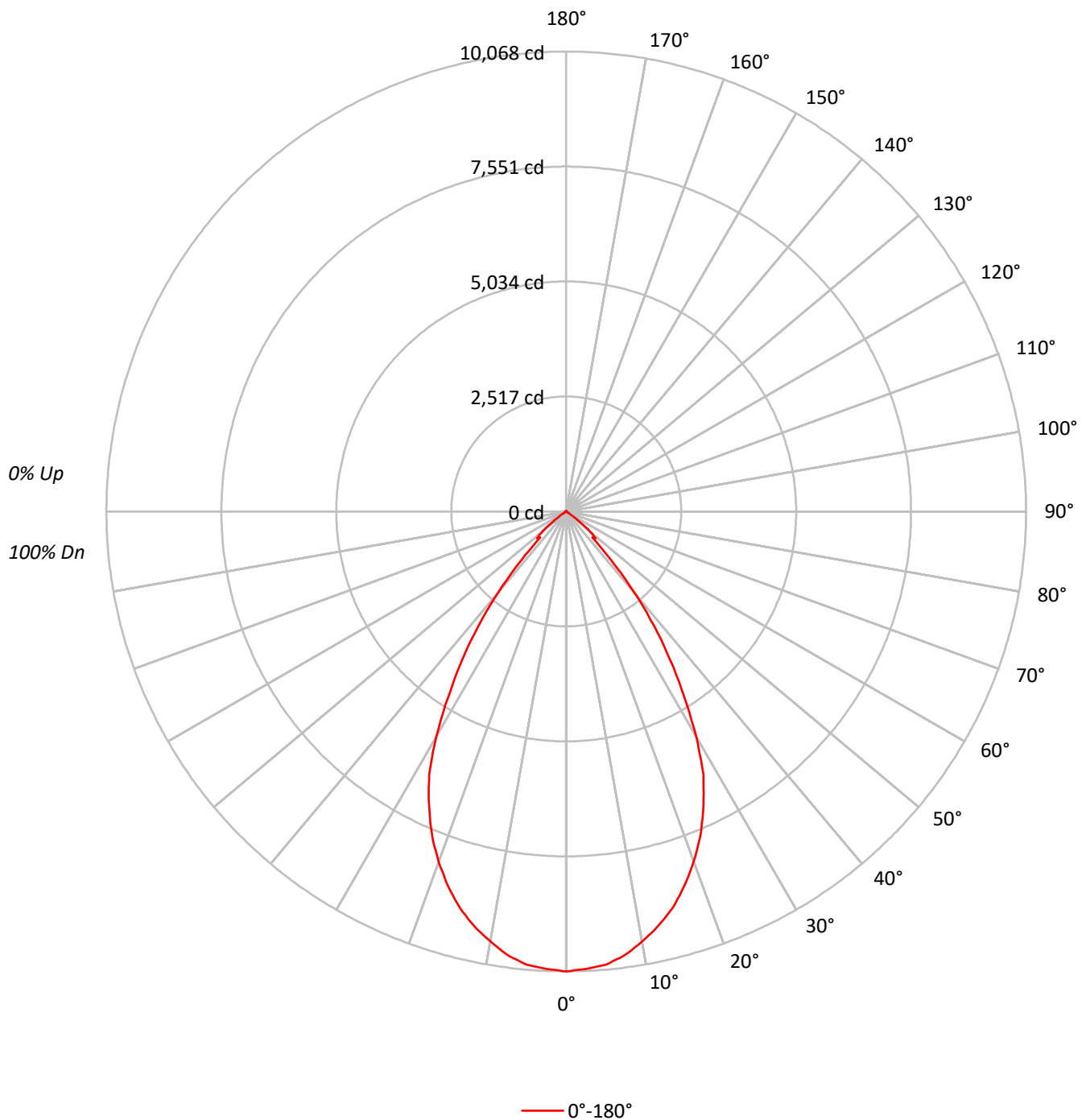
Lumens per Lamp: N/A
Luminaire Lumens: 10253.8 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 100
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	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°	55040
5°	52204
10°	48486
15°	44475
20°	39717
25°	34325
30°	27400
35°	19259
40°	11503
45°	4031
50°	3498
55°	507
60°	142
65°	132
70°	123
75°	106
80°	78
85°	44

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 4447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	937.7	9.1
10°-20°	2513.1	24.5
20°-30°	3231.8	31.5
30°-40°	2463.5	24.0
40°-50°	880.6	8.6
50°-60°	175.2	1.7
60°-70°	21.6	0.2
70°-80°	15.7	0.2
80°-90°	5.7	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°	2.2	0.0
170°-180°	0.9	0.0
0°-30°	6682.5	65.2
0°-40°	9146.1	89.2
0°-60°	10201.8	99.5
0°-90°	10244.7	99.9
90°-120°	0.0	0.0
90°-150°	3.4	0.0
90°-180°	9.0	0.1
0°-180°	10253.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10068	
5°	9959	938
15°	8987	2513
25°	7113	3232
35°	3969	2464
45°	801	881
55°	94	175
65°	22	22
75°	15	16
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°	10068
2.5°	10022
5°	9959
7.5°	9800
10°	9560
12.5°	9299
15°	8987
17.5°	8601
20°	8159
22.5°	7679
25°	7113
27.5°	6499
30°	5684
32.5°	4807
35°	3969
37.5°	3159
40°	2337
42.5°	1451
45°	801
47.5°	871
50°	674
52.5°	319
55°	94
57.5°	42
60°	25
62.5°	23
65°	22
67.5°	20
70°	19
72.5°	17
75°	15
77.5°	13
80°	10
82.5°	8
85°	5
87.5°	3
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	1
132.5°	1
135°	1
137.5°	2
140°	2
142.5°	3
145°	4
147.5°	4
150°	5
152.5°	5
155°	6
157.5°	6
160°	7
162.5°	7
165°	8
167.5°	8
170°	9
172.5°	9
175°	9
177.5°	9
180°	9

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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