

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: P1221178

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221178
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

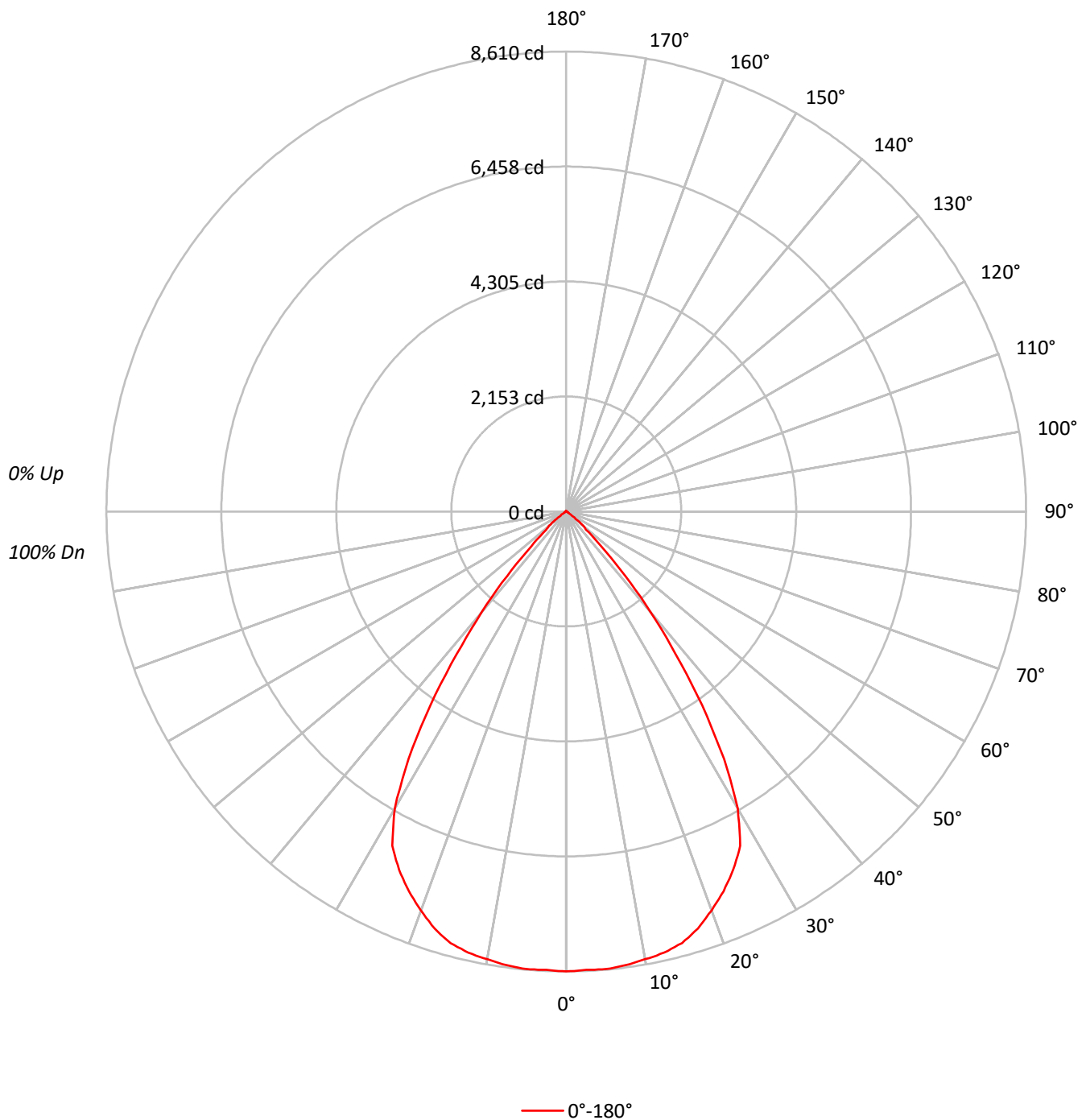
Lumens per Lamp: N/A
Luminaire Lumens: 10311.9 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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		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°	47069
5°	45075
10°	43176
15°	41407
20°	38704
25°	35724
30°	30967
35°	21515
40°	12079
45°	4681
50°	2180
55°	421
60°	164
65°	150
70°	142
75°	127
80°	101
85°	62

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4681 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.0	7.9
10°-20°	2348.3	22.8
20°-30°	3375.7	32.7
30°-40°	2735.1	26.5
40°-50°	849.6	8.2
50°-60°	124.0	1.2
60°-70°	24.9	0.2
70°-80°	18.9	0.2
80°-90°	7.6	0.1
90°-100°	0.1	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.6	0.0
130°-140°	1.3	0.0
140°-150°	2.5	0.0
150°-160°	2.6	0.0
160°-170°	2.1	0.0
170°-180°	0.8	0.0
0°-30°	6542.0	63.4
0°-40°	9277.1	90.0
0°-60°	10250.7	99.4
0°-90°	10302.1	99.9
90°-120°	0.1	0.0
90°-150°	4.5	0.0
90°-180°	10.0	0.1
0°-180°	10311.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8610	
5°	8599	818
15°	8367	2348
25°	7403	3376
35°	4434	2735
45°	930	850
55°	78	124
65°	25	25
75°	18	19
85°	7	7
90°	1	1
95°	0	0
105°	0	0
115°	0	0
125°	0	1
135°	2	1
145°	4	2
155°	6	3
165°	7	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8610
2.5°	8593
5°	8599
7.5°	8570
10°	8513
12.5°	8462
15°	8367
17.5°	8189
20°	7951
22.5°	7695
25°	7403
27.5°	7054
30°	6424
32.5°	5496
35°	4434
37.5°	3365
40°	2454
42.5°	1637
45°	930
47.5°	501
50°	420
52.5°	224
55°	78
57.5°	41
60°	29
62.5°	26
65°	25
67.5°	24
70°	22
72.5°	20
75°	18
77.5°	16
80°	13
82.5°	10
85°	7
87.5°	4
90°	1
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°	1
130°	1
132.5°	1
135°	2
137.5°	2
140°	3
142.5°	3
145°	4
147.5°	5
150°	5
152.5°	5
155°	6
157.5°	6
160°	7
162.5°	7
165°	7
167.5°	8
170°	8
172.5°	8
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