

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: P1221205

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221205
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

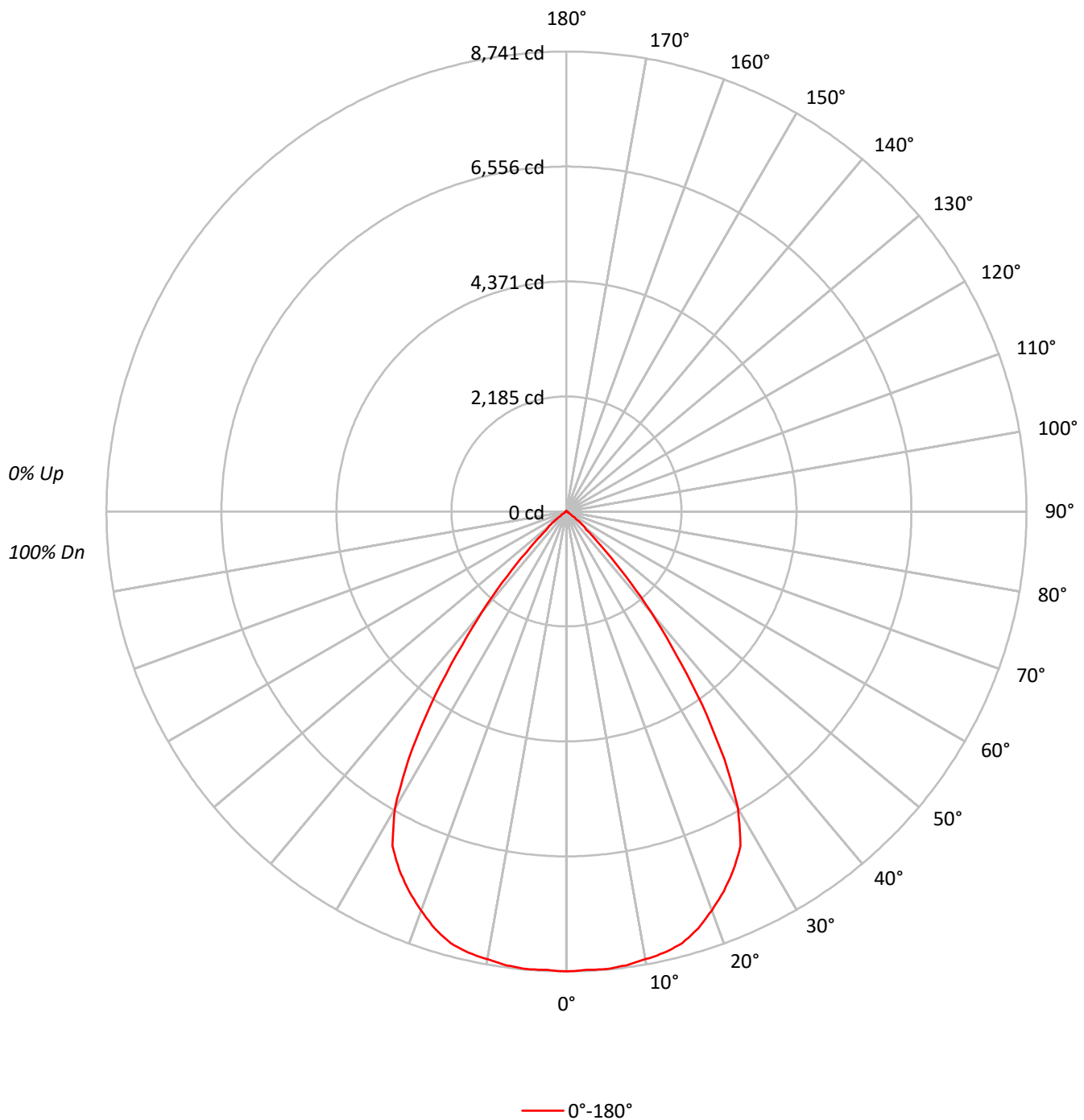
Lumens per Lamp: N/A
Luminaire Lumens: 10469.1 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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	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	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93							
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86							
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81	79							
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	81	77	74	73							
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67							
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62							
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	58							
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	54							
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50							
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	47							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47787
5°	45762
10°	43834
15°	42038
20°	39294
25°	36269
30°	31439
35°	21843
40°	12263
45°	4752
50°	2213
55°	428
60°	167
65°	153
70°	144
75°	129
80°	103
85°	62

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4752 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.4	7.9
10°-20°	2384.1	22.8
20°-30°	3427.2	32.7
30°-40°	2776.8	26.5
40°-50°	862.6	8.2
50°-60°	125.9	1.2
60°-70°	25.3	0.2
70°-80°	19.2	0.2
80°-90°	7.8	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°	2.7	0.0
160°-170°	2.1	0.0
170°-180°	0.8	0.0
0°-30°	6641.7	63.4
0°-40°	9418.5	90.0
0°-60°	10407.0	99.4
0°-90°	10459.2	99.9
90°-120°	0.1	0.0
90°-150°	4.5	0.0
90°-180°	10.0	0.1
0°-180°	10469.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8741	
5°	8730	830
15°	8495	2384
25°	7516	3427
35°	4502	2777
45°	944	863
55°	79	126
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	3
155°	6	3
165°	7	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8741.3
2.5°	8724.0
5°	8730.1
7.5°	8700.7
10°	8642.8
12.5°	8591.0
15°	8494.6
17.5°	8313.8
20°	8072.2
22.5°	7812.3
25°	7515.9
27.5°	7161.5
30°	6521.9
32.5°	5579.8
35°	4501.6
37.5°	3416.3
40°	2491.4
42.5°	1662.0
45°	944.2
47.5°	508.6
50°	426.4
52.5°	227.4
55°	79.2
57.5°	41.6
60°	29.4
62.5°	26.4
65°	25.4
67.5°	24.4
70°	22.3
72.5°	20.3
75°	18.3
77.5°	16.2
80°	13.2
82.5°	10.2
85°	7.1
87.5°	4.1
90°	1.0
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°	1.0
130°	1.0
132.5°	1.0
135°	2.0
137.5°	2.0
140°	3.0
142.5°	3.0
145°	4.1
147.5°	5.1
150°	5.1
152.5°	5.1
155°	6.1
157.5°	6.1
160°	7.1
162.5°	7.1
165°	7.1
167.5°	8.1
170°	8.1
172.5°	8.1
175°	9.1
177.5°	9.1
180°	9.1

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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