

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: P1221197

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (5000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221197
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 (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

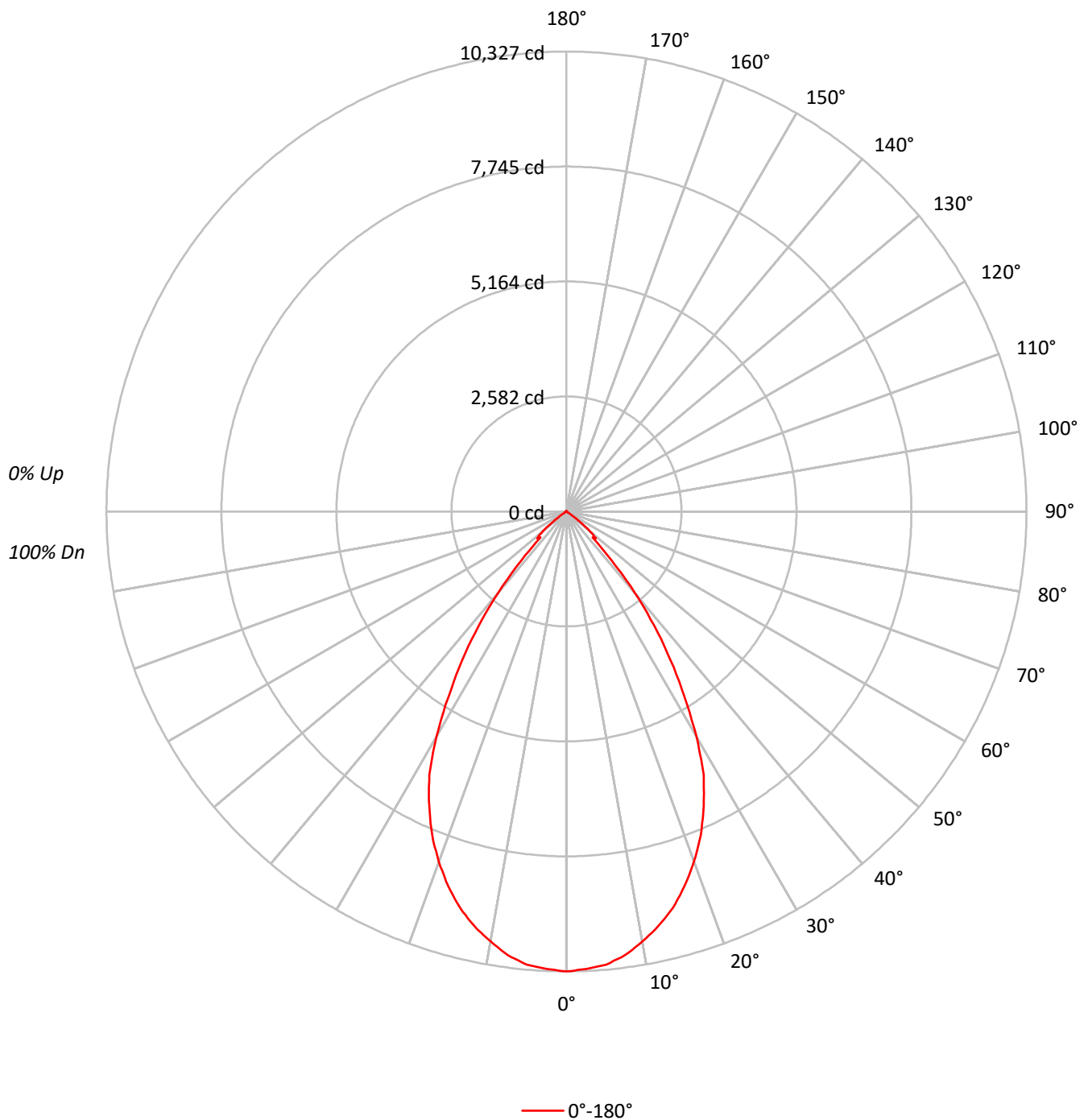
Lumens per Lamp: N/A
Luminaire Lumens: 10518.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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°	56458
5°	53549
10°	49736
15°	45621
20°	40740
25°	35209
30°	28106
35°	19755
40°	11800
45°	4135
50°	3588
55°	520
60°	145
65°	136
70°	126
75°	108
80°	80
85°	45

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 4561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.9	9.1
10°-20°	2577.8	24.5
20°-30°	3315.1	31.5
30°-40°	2527.0	24.0
40°-50°	903.2	8.6
50°-60°	179.7	1.7
60°-70°	22.1	0.2
70°-80°	16.1	0.2
80°-90°	5.9	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°	1.1	0.0
140°-150°	2.3	0.0
150°-160°	2.7	0.0
160°-170°	2.2	0.0
170°-180°	0.9	0.0
0°-30°	6854.8	65.2
0°-40°	9381.8	89.2
0°-60°	10464.6	99.5
0°-90°	10508.7	99.9
90°-120°	0.0	0.0
90°-150°	3.5	0.0
90°-180°	9.0	0.1
0°-180°	10518.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10327	
5°	10216	962
15°	9219	2578
25°	7296	3315
35°	4071	2527
45°	822	903
55°	96	180
65°	23	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°	10327.4
2.5°	10280.3
5°	10215.6
7.5°	10052.5
10°	9806.4
12.5°	9538.6
15°	9218.6
17.5°	8822.6
20°	8369.3
22.5°	7876.9
25°	7296.3
27.5°	6666.5
30°	5830.5
32.5°	4930.9
35°	4071.3
37.5°	3240.4
40°	2397.2
42.5°	1488.4
45°	821.6
47.5°	893.4
50°	691.4
52.5°	327.2
55°	96.4
57.5°	43.1
60°	25.6
62.5°	23.6
65°	22.6
67.5°	20.5
70°	19.5
72.5°	17.4
75°	15.4
77.5°	13.3
80°	10.3
82.5°	8.2
85°	5.1
87.5°	3.1
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°	2.1
140°	2.1
142.5°	3.1
145°	4.1
147.5°	4.1
150°	5.1
152.5°	5.1
155°	6.2
157.5°	6.2
160°	7.2
162.5°	7.2
165°	8.2
167.5°	8.2
170°	9.2
172.5°	9.2
175°	9.2
177.5°	9.2
180°	9.2

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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