

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: P1221186

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (4000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221186
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

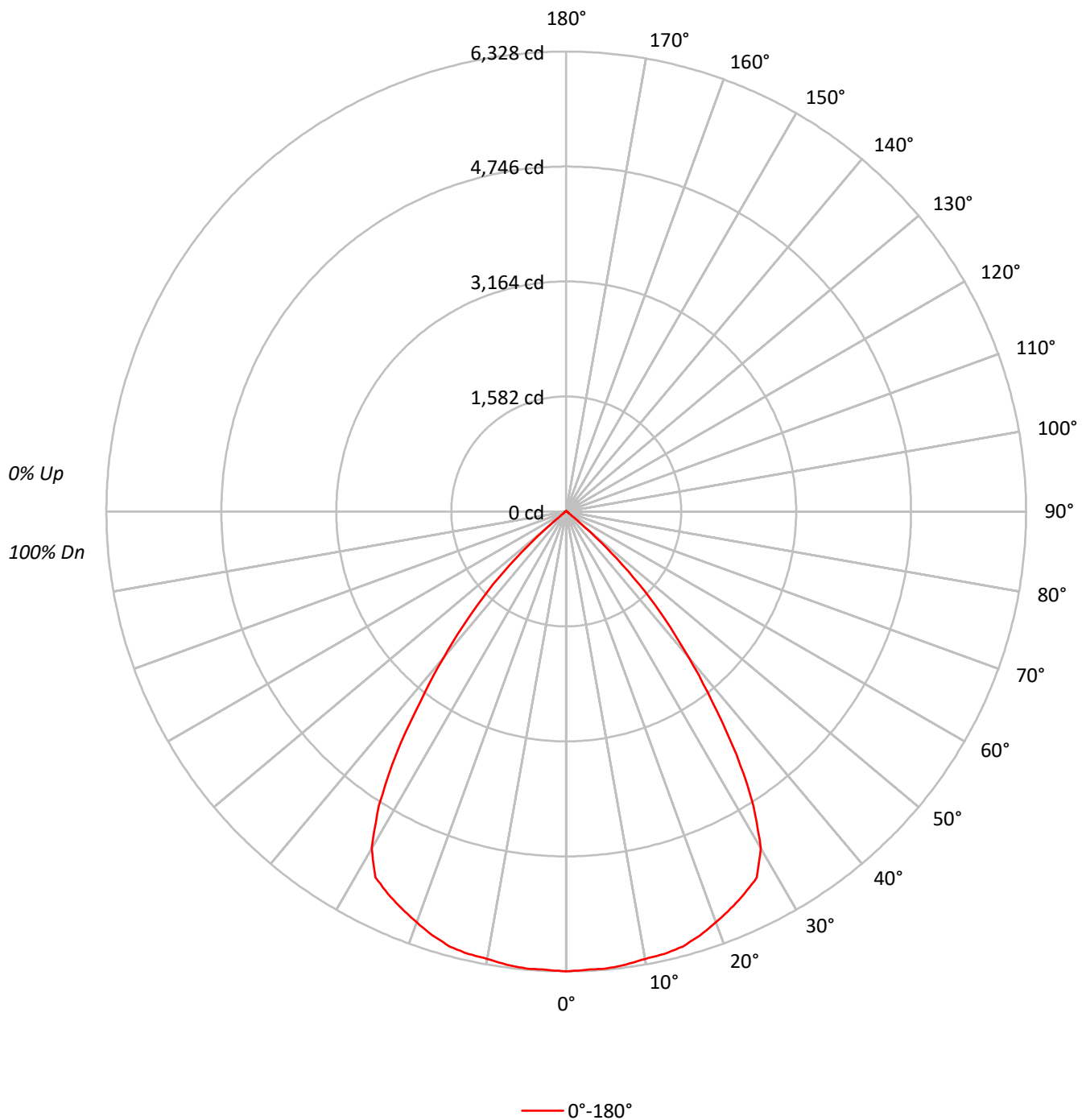
Lumens per Lamp: N/A
Luminaire Lumens: 8737.4 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	60	56	52	51		
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34594
5°	33099
10°	31705
15°	30663
20°	29289
25°	28001
30°	25811
35°	19814
40°	12927
45°	7142
50°	1721
55°	266
60°	154
65°	149
70°	143
75°	126
80°	93
85°	45

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.5	6.9
10°-20°	1745.7	20.0
20°-30°	2663.0	30.5
30°-40°	2503.6	28.7
40°-50°	1087.0	12.4
50°-60°	81.4	0.9
60°-70°	24.5	0.3
70°-80°	18.4	0.2
80°-90°	6.0	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°	1.2	0.0
140°-150°	1.9	0.0
150°-160°	2.0	0.0
160°-170°	1.5	0.0
170°-180°	0.6	0.0
0°-30°	5009.3	57.3
0°-40°	7512.9	86.0
0°-60°	8681.3	99.4
0°-90°	8730.2	99.9
90°-120°	0.0	0.0
90°-150°	3.2	0.0
90°-180°	7.0	0.1
0°-180°	8737.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6328	
5°	6314	601
15°	6196	1746
25°	5802	2663
35°	4083	2504
45°	1419	1087
55°	49	81
65°	25	24
75°	18	18
85°	5	6
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	3	2
155°	4	2
165°	5	1
175°	6	1
180°	6	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6327.9
2.5°	6311.8
5°	6314.3
7.5°	6288.8
10°	6251.4
12.5°	6235.3
15°	6196.1
17.5°	6116.2
20°	6016.8
22.5°	5914.7
25°	5802.5
27.5°	5679.2
30°	5354.5
32.5°	4793.3
35°	4083.4
37.5°	3295.3
40°	2626.2
42.5°	2009.0
45°	1419.0
47.5°	834.0
50°	331.6
52.5°	109.7
55°	49.3
57.5°	34.0
60°	27.2
62.5°	25.5
65°	24.7
67.5°	23.8
70°	22.1
72.5°	20.4
75°	17.9
77.5°	14.5
80°	11.9
82.5°	8.5
85°	5.1
87.5°	2.6
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°	0.9
132.5°	0.9
135°	1.7
137.5°	1.7
140°	2.6
142.5°	2.6
145°	3.4
147.5°	3.4
150°	3.4
152.5°	4.3
155°	4.3
157.5°	4.3
160°	5.1
162.5°	5.1
165°	5.1
167.5°	5.1
170°	6.0
172.5°	6.0
175°	6.0
177.5°	6.0
180°	6.0

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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