

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: P1221172

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221172
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

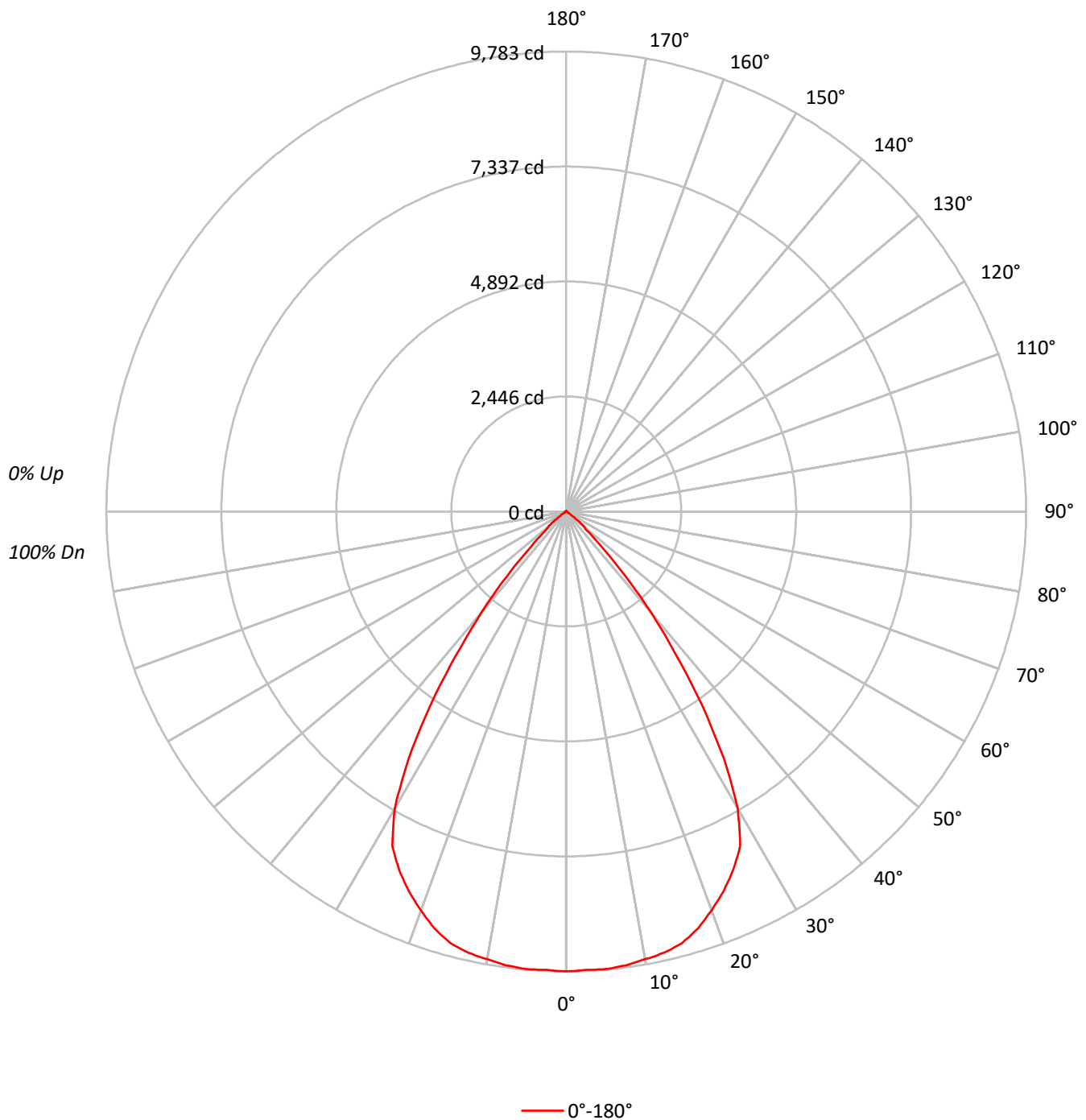
Lumens per Lamp: N/A
Luminaire Lumens: 11717.2 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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°	53484
5°	51218
10°	49059
15°	47049
20°	43979
25°	40593
30°	35187
35°	24447
40°	13725
45°	5318
50°	2476
55°	478
60°	187
65°	171
70°	162
75°	144
80°	115
85°	70

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5318 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	929.4	7.9
10°-20°	2668.3	22.8
20°-30°	3835.8	32.7
30°-40°	3107.8	26.5
40°-50°	965.4	8.2
50°-60°	140.9	1.2
60°-70°	28.3	0.2
70°-80°	21.5	0.2
80°-90°	8.7	0.1
90°-100°	0.2	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.6	0.0
130°-140°	1.5	0.0
140°-150°	2.8	0.0
150°-160°	3.0	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	7433.5	63.4
0°-40°	10541.4	90.0
0°-60°	11647.7	99.4
0°-90°	11706.1	99.9
90°-120°	0.2	0.0
90°-150°	5.1	0.0
90°-180°	11.0	0.1
0°-180°	11717.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9783	
5°	9771	929
15°	9507	2668
25°	8412	3836
35°	5038	3108
45°	1057	965
55°	89	141
65°	28	28
75°	20	21
85°	8	8
90°	1	1
95°	0	0
105°	0	0
115°	0	0
125°	0	1
135°	2	2
145°	4	3
155°	7	3
165°	8	2
175°	10	1
180°	10	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9783.4
2.5°	9764.0
5°	9770.9
7.5°	9737.9
10°	9673.1
12.5°	9615.2
15°	9507.2
17.5°	9305.0
20°	9034.5
22.5°	8743.7
25°	8411.9
27.5°	8015.3
30°	7299.5
32.5°	6245.0
35°	5038.3
37.5°	3823.6
40°	2788.4
42.5°	1860.1
45°	1056.7
47.5°	569.3
50°	477.2
52.5°	254.5
55°	88.6
57.5°	46.6
60°	33.0
62.5°	29.5
65°	28.4
67.5°	27.3
70°	25.0
72.5°	22.7
75°	20.5
77.5°	18.2
80°	14.8
82.5°	11.4
85°	8.0
87.5°	4.5
90°	1.1
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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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (3000K_L18_Medium_120V)

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°	1.1
130°	1.1
132.5°	1.1
135°	2.3
137.5°	2.3
140°	3.4
142.5°	3.4
145°	4.5
147.5°	5.7
150°	5.7
152.5°	5.7
155°	6.8
157.5°	6.8
160°	8.0
162.5°	8.0
165°	8.0
167.5°	9.1
170°	9.1
172.5°	9.1
175°	10.2
177.5°	10.2
180°	10.2

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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