

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: P1221202

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221202
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_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

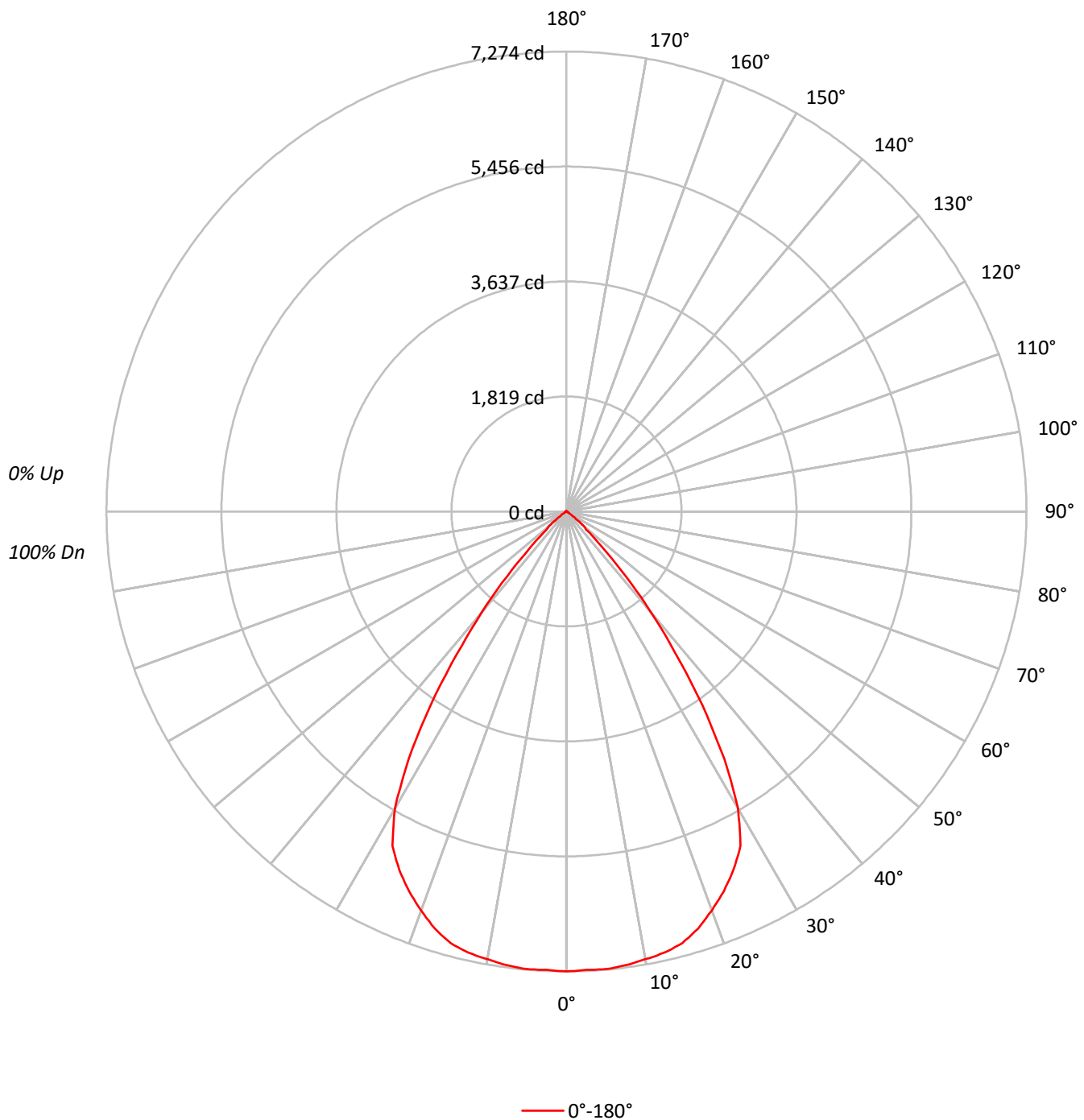
Lumens per Lamp: N/A
Luminaire Lumens: 8711.9 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.02
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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

TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87
3	101	95	89	85	99	93	88	84	91	86	83	88	85	82	86	83	81
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	81	77	74
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39766
5°	38081
10°	36476
15°	34982
20°	32699
25°	30181
30°	26162
35°	18177
40°	10205
45°	3954
50°	1841
55°	356
60°	139
65°	127
70°	120
75°	107
80°	86
85°	52

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3954 cd/sqm

TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.0	7.9
10°-20°	1983.9	22.8
20°-30°	2852.0	32.7
30°-40°	2310.7	26.5
40°-50°	717.8	8.2
50°-60°	104.7	1.2
60°-70°	21.0	0.2
70°-80°	15.9	0.2
80°-90°	6.4	0.1
90°-100°	0.1	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.4	0.0
130°-140°	1.1	0.0
140°-150°	2.1	0.0
150°-160°	2.2	0.0
160°-170°	1.7	0.0
170°-180°	0.7	0.0
0°-30°	5527.0	63.4
0°-40°	7837.7	90.0
0°-60°	8660.2	99.4
0°-90°	8703.6	99.9
90°-120°	0.1	0.0
90°-150°	3.8	0.0
90°-180°	8.0	0.1
0°-180°	8711.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7274	
5°	7265	691
15°	7069	1984
25°	6254	2852
35°	3746	2311
45°	786	718
55°	66	105
65°	21	21
75°	15	16
85°	6	6
90°	1	1
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	3	2
155°	5	2
165°	6	2
175°	8	1
180°	8	

TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7274.1
2.5°	7259.7
5°	7264.8
7.5°	7240.3
10°	7192.1
12.5°	7149.1
15°	7068.8
17.5°	6918.4
20°	6717.3
22.5°	6501.1
25°	6254.4
27.5°	5959.5
30°	5427.3
32.5°	4643.3
35°	3746.0
37.5°	2842.9
40°	2073.2
42.5°	1383.0
45°	785.7
47.5°	423.3
50°	354.8
52.5°	189.2
55°	65.9
57.5°	34.6
60°	24.5
62.5°	22.0
65°	21.1
67.5°	20.3
70°	18.6
72.5°	16.9
75°	15.2
77.5°	13.5
80°	11.0
82.5°	8.4
85°	5.9
87.5°	3.4
90°	0.8
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

TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_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°	0.8
130°	0.8
132.5°	0.8
135°	1.7
137.5°	1.7
140°	2.5
142.5°	2.5
145°	3.4
147.5°	4.2
150°	4.2
152.5°	4.2
155°	5.1
157.5°	5.1
160°	5.9
162.5°	5.9
165°	5.9
167.5°	6.8
170°	6.8
172.5°	6.8
175°	7.6
177.5°	7.6
180°	7.6

TEST NUMBER: P1221202

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (6500K_L12_Medium_120V)

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