

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: P1221310

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221310
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

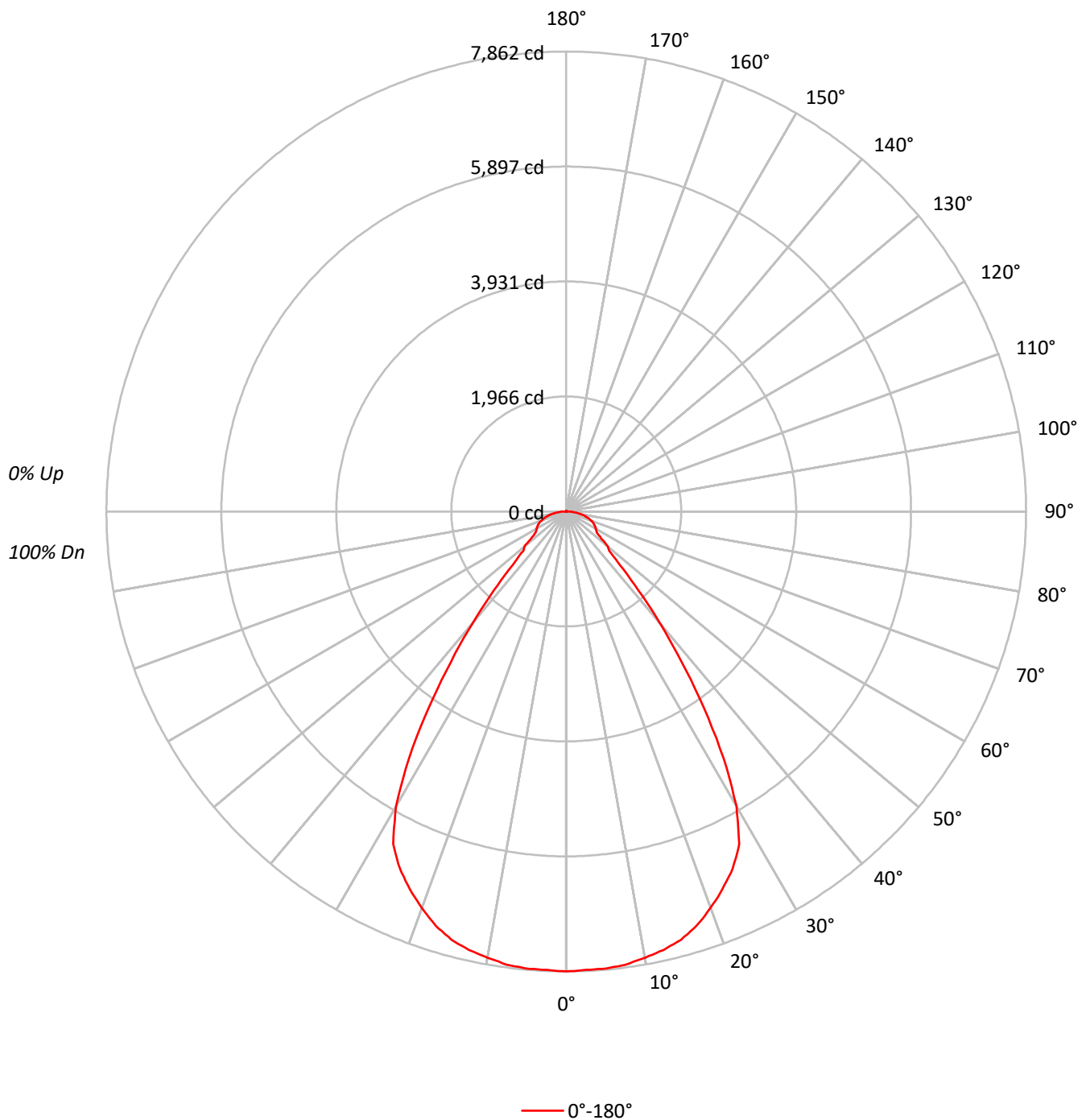
Lumens per Lamp: N/A
Luminaire Lumens: 11254.2 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	102		109	105	103	100		101	99	97		97	96	94		94	92	91
2	104	98	93	88		102	96	91	87		93	89	85		89	86	83		87	84	81
3	97	89	83	78		95	88	82	77		85	80	76		82	78	75		80	76	73
4	91	82	75	70		89	81	74	69		78	73	68		76	71	67		74	70	67
5	86	75	68	63		84	74	68	63		72	66	62		71	65	61		69	64	61
6	80	70	62	57		79	69	62	57		67	61	57		66	60	56		64	59	56
7	76	65	57	52		74	64	57	52		62	56	52		61	56	52		60	55	51
8	71	60	53	48		70	60	53	48		58	52	48		57	52	48		56	51	47
9	67	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	53	46	41		63	52	46	41		51	45	41		50	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42981
5°	41108
10°	39284
15°	37512
20°	35124
25°	32499
30°	28048
35°	19903
40°	12243
45°	6492
50°	4815
55°	3481
60°	3302
65°	3175
70°	2910
75°	2501
80°	1880
85°	1018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.6	6.6
10°-20°	2129.9	18.9
20°-30°	3065.6	27.2
30°-40°	2549.7	22.7
40°-50°	1108.9	9.9
50°-60°	615.9	5.5
60°-70°	518.8	4.6
70°-80°	371.2	3.3
80°-90°	128.3	1.1
90°-100°	1.8	0.0
100°-110°	0.8	0.0
110°-120°	1.6	0.0
120°-130°	1.8	0.0
130°-140°	2.8	0.0
140°-150°	4.3	0.0
150°-160°	4.0	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5941.0	52.8
0°-40°	8490.7	75.4
0°-60°	10215.5	90.8
0°-90°	11233.8	99.8
90°-120°	4.2	0.0
90°-150°	13.1	0.1
90°-180°	20.0	0.2
0°-180°	11254.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7862	
5°	7842	746
15°	7580	2130
25°	6735	3066
35°	4102	2550
45°	1290	1109
55°	645	616
65°	528	519
75°	355	371
85°	116	120
90°	8	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	3
145°	7	4
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7862.2
2.5°	7845.6
5°	7842.2
7.5°	7811.4
10°	7745.7
12.5°	7677.5
15°	7580.1
17.5°	7422.8
20°	7215.6
22.5°	6985.9
25°	6734.6
27.5°	6406.8
30°	5818.4
32.5°	5008.7
35°	4101.7
37.5°	3237.9
40°	2487.3
42.5°	1824.1
45°	1289.8
47.5°	993.6
50°	927.9
52.5°	750.6
55°	644.9
57.5°	607.5
60°	582.5
62.5°	558.4
65°	527.6
67.5°	491.8
70°	450.2
72.5°	405.3
75°	355.3
77.5°	300.4
80°	241.3
82.5°	179.7
85°	115.7
87.5°	51.6
90°	7.5
92.5°	0.8
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8

TEST NUMBER: P1221310

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.5
130°	2.5
132.5°	3.3
135°	3.3
137.5°	4.2
140°	5.0
142.5°	5.8
145°	6.7
147.5°	8.3
150°	9.2
152.5°	9.2
155°	8.3
157.5°	8.3
160°	8.3
162.5°	8.3
165°	8.3
167.5°	8.3
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	12.60	13.84	12.97	14.16	14.48	12.60	13.84	12.97	14.16	14.48
	3H	14.72	15.83	15.10	16.16	16.53	14.72	15.83	15.10	16.16	16.53
	4H	15.51	16.54	15.92	16.90	17.29	15.51	16.54	15.92	16.90	17.29
	6H	16.06	17.01	16.48	17.38	17.78	16.06	17.01	16.48	17.38	17.78
	8H	16.21	17.11	16.65	17.51	17.92	16.21	17.11	16.65	17.51	17.92
	12H	16.28	17.14	16.72	17.53	17.97	16.28	17.14	16.72	17.53	17.97
4H	2H	13.22	14.25	13.62	14.60	14.99	13.22	14.25	13.62	14.60	14.99
	3H	15.50	16.36	15.92	16.76	17.17	15.50	16.36	15.92	16.76	17.17
	4H	16.40	17.17	16.84	17.59	18.04	16.40	17.17	16.84	17.59	18.04
	6H	17.05	17.72	17.52	18.17	18.64	17.05	17.72	17.52	18.17	18.64
	8H	17.24	17.86	17.71	18.31	18.79	17.24	17.86	17.71	18.31	18.79
	12H	17.34	17.89	17.83	18.37	18.85	17.34	17.89	17.83	18.37	18.85
8H	4H	16.65	17.27	17.12	17.72	18.20	16.65	17.27	17.12	17.72	18.20
	6H	17.41	17.92	17.92	18.42	18.90	17.41	17.92	17.92	18.42	18.90
	8H	17.66	18.11	18.18	18.63	19.13	17.66	18.11	18.18	18.63	19.13
	12H	17.82	18.21	18.34	18.71	19.29	17.82	18.21	18.34	18.71	19.29
12H	4H	16.66	17.21	17.15	17.69	18.17	16.66	17.21	17.15	17.69	18.17
	6H	17.44	17.89	17.96	18.41	18.91	17.44	17.89	17.96	18.41	18.91
	8H	17.73	18.13	18.25	18.63	19.20	17.73	18.13	18.25	18.63	19.20

END OF REPORT