

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: P1221344

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221344
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
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 (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

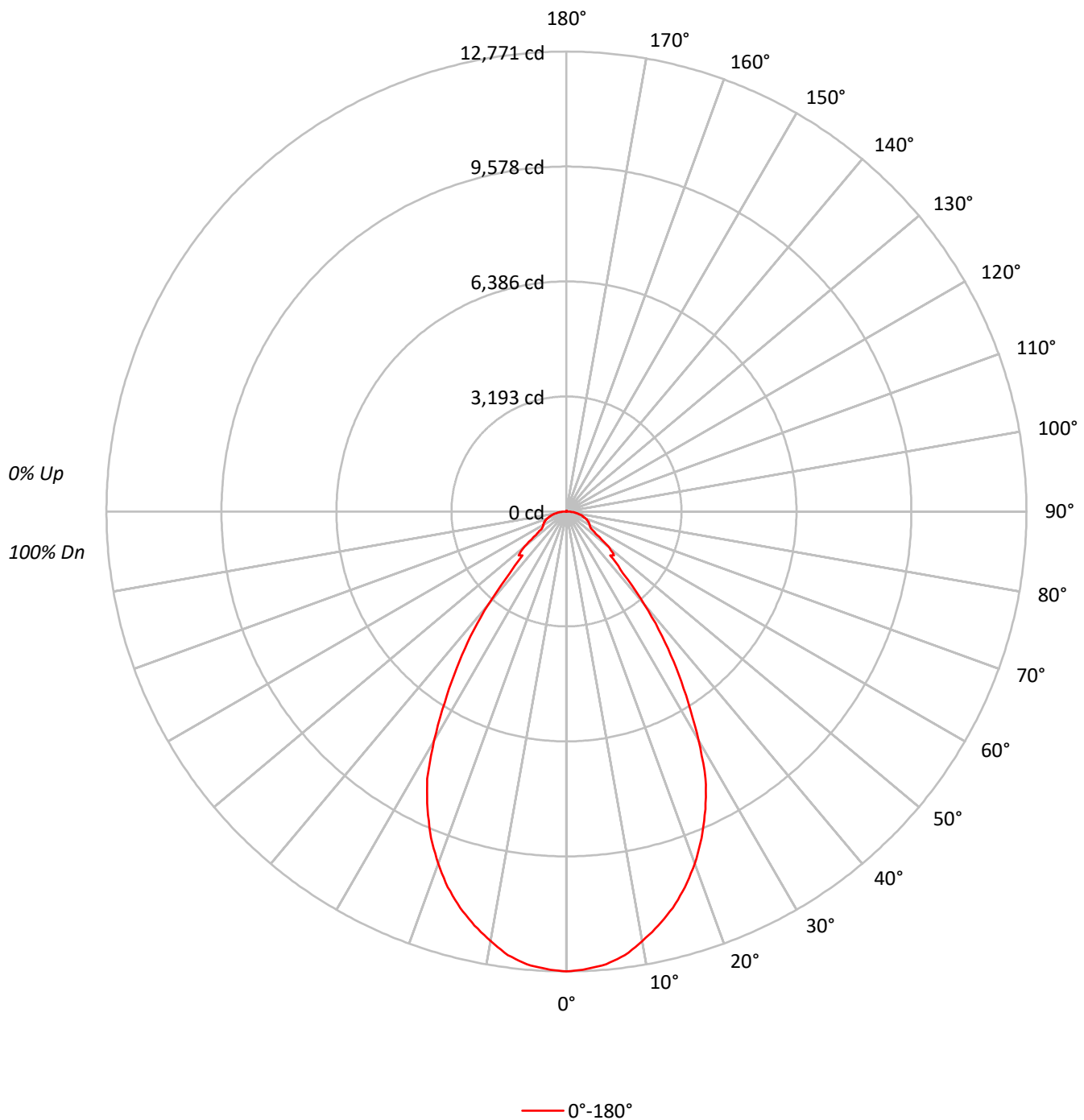
Lumens per Lamp: N/A
Luminaire Lumens: 15567.4 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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

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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	112	108	105	102		109	106	103	100		102	99	97		98	96	94		94	93	91
2	104	98	93	89		102	96	92	88		93	89	86		90	87	84		87	85	82
3	98	90	84	79		96	88	83	78		86	81	77		83	79	76		81	77	74
4	92	83	76	71		90	81	75	70		79	74	69		77	72	69		75	71	68
5	86	76	69	64		84	75	69	64		73	68	63		71	66	63		70	65	62
6	81	71	64	59		80	70	63	58		68	62	58		67	61	57		65	61	57
7	77	66	59	54		75	65	58	54		64	58	53		62	57	53		61	56	53
8	72	61	54	50		71	61	54	50		60	54	49		58	53	49		57	52	49
9	68	57	51	46		67	57	50	46		56	50	46		55	49	46		54	49	45
10	65	54	47	43		64	53	47	43		53	47	43		52	46	43		51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69817
5°	66184
10°	61459
15°	56403
20°	50695
25°	44045
30°	35391
35°	25757
40°	16637
45°	8664
50°	7868
55°	4531
60°	4193
65°	4008
70°	3637
75°	3067
80°	2322
85°	1317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 9182 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1189.2	7.6
10°-20°	3192.0	20.5
20°-30°	4146.8	26.6
30°-40°	3301.7	21.2
40°-50°	1589.6	10.2
50°-60°	848.0	5.4
60°-70°	654.5	4.2
70°-80°	457.6	2.9
80°-90°	161.8	1.0
90°-100°	1.3	0.0
100°-110°	1.7	0.0
110°-120°	2.4	0.0
120°-130°	2.5	0.0
130°-140°	3.4	0.0
140°-150°	5.2	0.0
150°-160°	5.0	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8527.9	54.8
0°-40°	11829.7	76.0
0°-60°	14267.2	91.6
0°-90°	15541.2	99.8
90°-120°	5.4	0.0
90°-150°	16.5	0.1
90°-180°	26.0	0.2
0°-180°	15567.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12771	
5°	12626	###
15°	11397	3192
25°	9127	4147
35°	5308	3302
45°	1722	1590
55°	839	848
65°	666	655
75°	436	458
85°	150	152
90°	1	10
95°	1	1
105°	1	2
115°	2	2
125°	2	3
135°	5	3
145°	8	5
155°	11	5
165°	12	3
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12771.0
2.5°	12722.3
5°	12626.1
7.5°	12429.0
10°	12118.0
12.5°	11780.8
15°	11397.4
17.5°	10942.6
20°	10414.3
22.5°	9814.8
25°	9127.4
27.5°	8366.4
30°	7341.8
32.5°	6294.7
35°	5308.1
37.5°	4365.4
40°	3380.0
42.5°	2327.0
45°	1721.5
47.5°	1798.6
50°	1516.1
52.5°	1062.6
55°	839.4
57.5°	777.6
60°	739.6
62.5°	707.6
65°	666.0
67.5°	617.4
70°	562.7
72.5°	501.0
75°	435.7
77.5°	366.9
80°	298.0
82.5°	225.6
85°	149.6
87.5°	70.0
90°	1.2
92.5°	1.2
95°	1.2
97.5°	1.2
100°	1.2
102.5°	1.2
105°	1.2
107.5°	2.4
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
115°	2.4
117.5°	2.4
120°	2.4
122.5°	2.4
125°	2.4
127.5°	3.6
130°	3.6
132.5°	3.6
135°	4.7
137.5°	4.7
140°	5.9
142.5°	7.1
145°	8.3
147.5°	9.5
150°	10.7
152.5°	10.7
155°	10.7
157.5°	10.7
160°	10.7
162.5°	11.9
165°	11.9
167.5°	13.1
170°	13.1
172.5°	13.1
175°	14.2
177.5°	14.2
180°	14.2

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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	13.20	14.43	13.57	14.74	15.06	13.20	14.43	13.57	14.74	15.06
	3H	15.25	16.34	15.63	16.68	17.05	15.25	16.34	15.63	16.68	17.05
	4H	16.00	17.02	16.40	17.37	17.76	16.00	17.02	16.40	17.37	17.76
	6H	16.51	17.45	16.93	17.83	18.23	16.51	17.45	16.93	17.83	18.23
	8H	16.66	17.55	17.10	17.95	18.36	16.66	17.55	17.10	17.95	18.36
	12H	16.74	17.59	17.17	17.98	18.41	16.74	17.59	17.17	17.98	18.41
4H	2H	13.79	14.82	14.20	15.17	15.56	13.79	14.82	14.20	15.17	15.56
	3H	16.01	16.85	16.43	17.26	17.67	16.01	16.85	16.43	17.26	17.67
	4H	16.86	17.62	17.30	18.04	18.49	16.86	17.62	17.30	18.04	18.49
	6H	17.48	18.14	17.95	18.59	19.06	17.48	18.14	17.95	18.59	19.06
	8H	17.67	18.28	18.14	18.73	19.21	17.67	18.28	18.14	18.73	19.21
	12H	17.77	18.31	18.26	18.80	19.28	17.77	18.31	18.26	18.80	19.28
8H	4H	17.10	17.71	17.57	18.16	18.63	17.10	17.71	17.57	18.16	18.63
	6H	17.82	18.32	18.33	18.82	19.31	17.82	18.32	18.33	18.82	19.31
	8H	18.07	18.52	18.60	19.04	19.53	18.07	18.52	18.60	19.04	19.53
	12H	18.24	18.63	18.76	19.13	19.71	18.24	18.63	18.76	19.13	19.71
12H	4H	17.10	17.64	17.59	18.13	18.61	17.10	17.64	17.59	18.13	18.61
	6H	17.85	18.30	18.38	18.82	19.31	17.85	18.30	18.38	18.82	19.31
	8H	18.14	18.53	18.66	19.03	19.61	18.14	18.53	18.66	19.03	19.61