

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: P1221335

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221335
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 (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

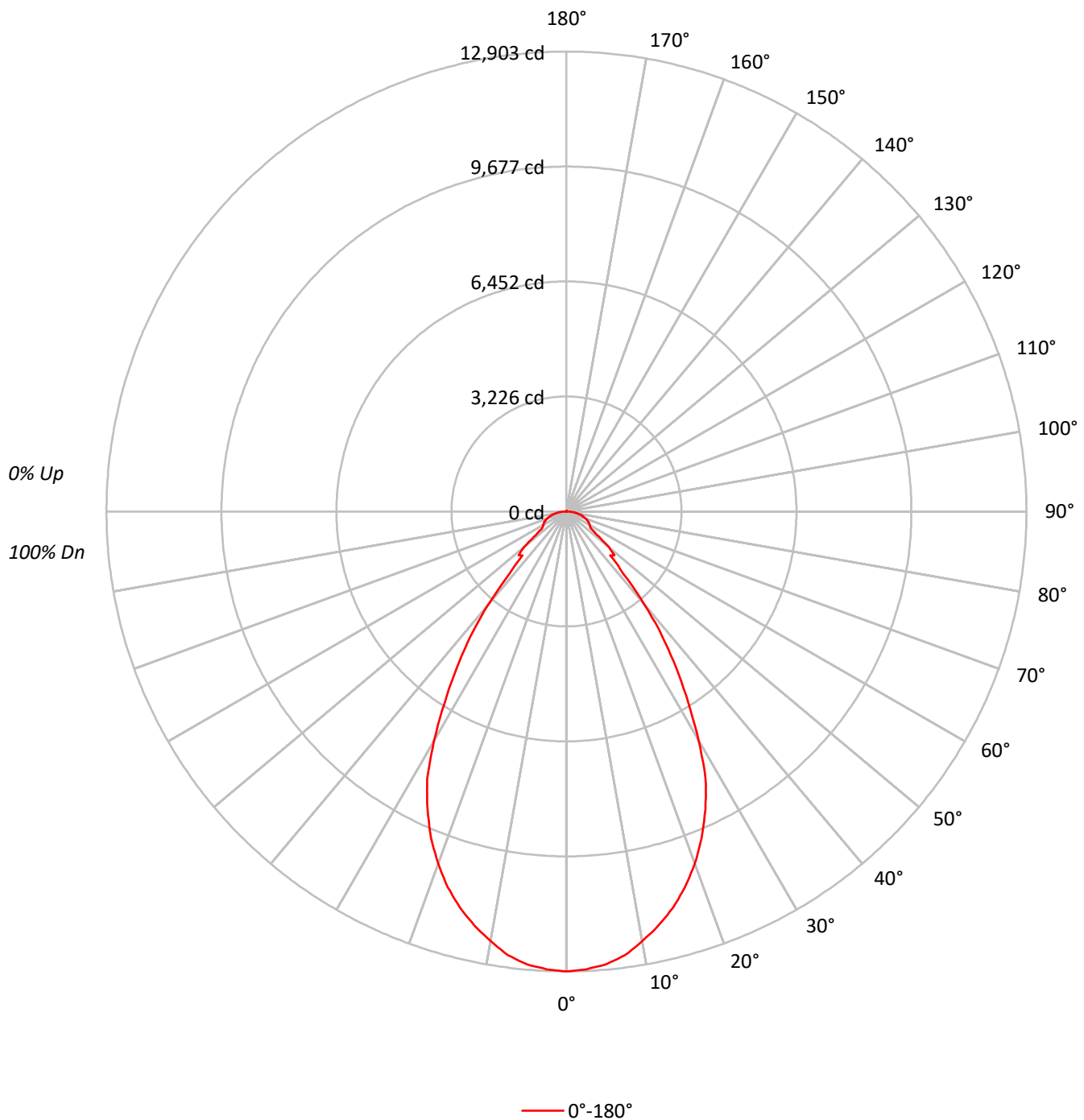
Lumens per Lamp: N/A
Luminaire Lumens: 15728.7 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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	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°	70541
5°	66870
10°	62096
15°	56988
20°	51221
25°	44502
30°	35758
35°	26023
40°	16810
45°	8754
50°	7949
55°	4578
60°	4237
65°	4049
70°	3675
75°	3099
80°	2346
85°	1330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 9278 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1201.5	7.6
10°-20°	3225.1	20.5
20°-30°	4189.7	26.6
30°-40°	3336.0	21.2
40°-50°	1606.1	10.2
50°-60°	856.8	5.4
60°-70°	661.3	4.2
70°-80°	462.3	2.9
80°-90°	163.5	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°	3.5	0.0
140°-150°	5.2	0.0
150°-160°	5.0	0.0
160°-170°	3.5	0.0
170°-180°	1.3	0.0
0°-30°	8616.3	54.8
0°-40°	11952.3	76.0
0°-60°	14415.2	91.6
0°-90°	15702.3	99.8
90°-120°	5.4	0.0
90°-150°	16.7	0.1
90°-180°	26.0	0.2
0°-180°	15728.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12903	
5°	12757	###
15°	11516	3225
25°	9222	4190
35°	5363	3336
45°	1739	1606
55°	848	857
65°	673	661
75°	440	462
85°	151	154
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°	12903.4
2.5°	12854.2
5°	12757.0
7.5°	12557.9
10°	12243.6
12.5°	11903.0
15°	11515.5
17.5°	11056.1
20°	10522.3
22.5°	9916.5
25°	9222.0
27.5°	8453.1
30°	7417.9
32.5°	6359.9
35°	5363.1
37.5°	4410.7
40°	3415.1
42.5°	2351.1
45°	1739.3
47.5°	1817.3
50°	1531.8
52.5°	1073.6
55°	848.1
57.5°	785.7
60°	747.3
62.5°	714.9
65°	672.9
67.5°	623.8
70°	568.6
72.5°	506.2
75°	440.2
77.5°	370.7
80°	301.1
82.5°	227.9
85°	151.1
87.5°	70.8
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°	4.8
137.5°	4.8
140°	6.0
142.5°	7.2
145°	8.4
147.5°	9.6
150°	10.8
152.5°	10.8
155°	10.8
157.5°	10.8
160°	10.8
162.5°	12.0
165°	12.0
167.5°	13.2
170°	13.2
172.5°	13.2
175°	14.4
177.5°	14.4
180°	14.4

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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	13.23	14.46	13.60	14.78	15.10	13.23	14.46	13.60	14.78	15.10
	3H	15.29	16.38	15.67	16.72	17.09	15.29	16.38	15.67	16.72	17.09
	4H	16.03	17.05	16.44	17.41	17.80	16.03	17.05	16.44	17.41	17.80
	6H	16.55	17.49	16.97	17.86	18.26	16.55	17.49	16.97	17.86	18.26
	8H	16.70	17.59	17.13	17.98	18.39	16.70	17.59	17.13	17.98	18.39
	12H	16.77	17.62	17.21	18.01	18.45	16.77	17.62	17.21	18.01	18.45
4H	2H	13.83	14.85	14.24	15.21	15.60	13.83	14.85	14.24	15.21	15.60
	3H	16.05	16.89	16.46	17.30	17.71	16.05	16.89	16.46	17.30	17.71
	4H	16.89	17.65	17.33	18.08	18.52	16.89	17.65	17.33	18.08	18.52
	6H	17.52	18.18	17.99	18.63	19.10	17.52	18.18	17.99	18.63	19.10
	8H	17.70	18.32	18.18	18.77	19.24	17.70	18.32	18.18	18.77	19.24
	12H	17.81	18.35	18.30	18.84	19.32	17.81	18.35	18.30	18.84	19.32
8H	4H	17.13	17.74	17.60	18.19	18.67	17.13	17.74	17.60	18.19	18.67
	6H	17.86	18.36	18.37	18.86	19.35	17.86	18.36	18.37	18.86	19.35
	8H	18.11	18.55	18.63	19.07	19.57	18.11	18.55	18.63	19.07	19.57
	12H	18.28	18.67	18.80	19.17	19.74	18.28	18.67	18.80	19.17	19.74
12H	4H	17.14	17.68	17.63	18.16	18.64	17.14	17.68	17.63	18.16	18.64
	6H	17.89	18.33	18.41	18.85	19.35	17.89	18.33	18.41	18.85	19.35
	8H	18.18	18.57	18.70	19.07	19.65	18.18	18.57	18.70	19.07	19.65

END OF REPORT