

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: P1221318

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221318
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
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_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

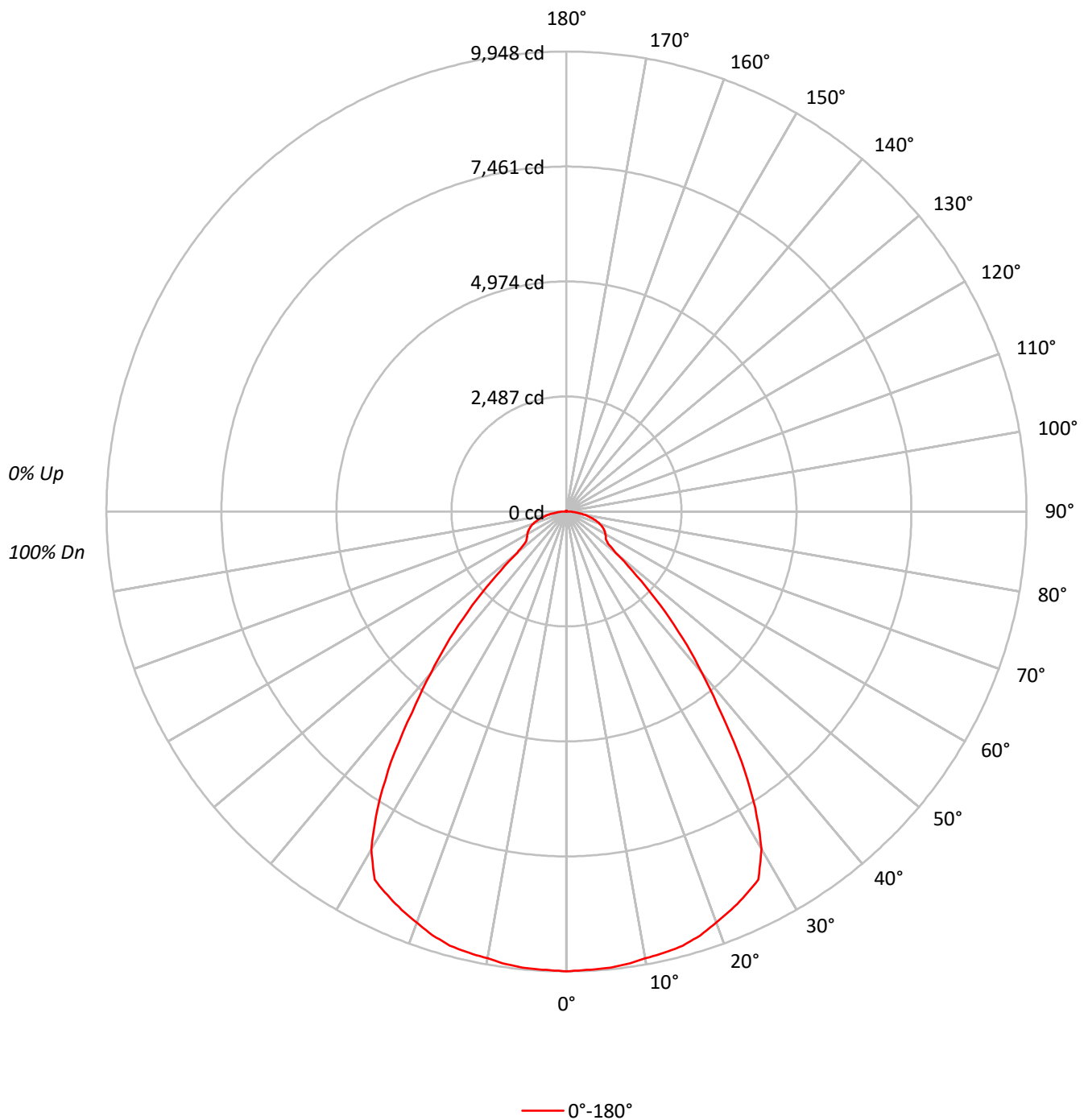
Lumens per Lamp: N/A
Luminaire Lumens: 16853.9 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 120.8
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.5	5.6
10°-20°	2741.6	16.3
20°-30°	4201.8	24.9
30°-40°	4063.7	24.1
40°-50°	2216.3	13.2
50°-60°	974.3	5.8
60°-70°	870.4	5.2
70°-80°	609.4	3.6
80°-90°	197.6	1.2
90°-100°	2.5	0.0
100°-110°	2.4	0.0
110°-120°	3.0	0.0
120°-130°	3.9	0.0
130°-140°	5.5	0.0
140°-150°	7.5	0.0
150°-160°	5.9	0.0
160°-170°	3.3	0.0
170°-180°	1.2	0.0
0°-30°	7886.9	46.8
0°-40°	11950.6	70.9
0°-60°	15141.3	89.8
0°-90°	16818.6	99.8
90°-120°	8.0	0.0
90°-150°	24.8	0.1
90°-180°	35.0	0.2
0°-180°	16853.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9948	
5°	9920	943
15°	9724	2742
25°	9160	4202
35°	6607	4064
45°	2874	2216
55°	1043	974
65°	885	870
75°	582	609
85°	177	186
90°	2	12
95°	2	2
105°	2	2
115°	4	3
125°	5	4
135°	7	5
145°	12	7
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9948.1
2.5°	9924.7
5°	9920.0
7.5°	9880.2
10°	9817.1
12.5°	9776.2
15°	9723.5
17.5°	9613.6
20°	9468.6
22.5°	9321.3
25°	9159.9
27.5°	8981.0
30°	8437.2
32.5°	7599.9
35°	6607.1
37.5°	5483.3
40°	4559.5
42.5°	3725.7
45°	2874.4
47.5°	2051.1
50°	1386.9
52.5°	1125.0
55°	1043.1
57.5°	1009.2
60°	972.9
62.5°	935.5
65°	885.2
67.5°	826.8
70°	757.8
72.5°	677.1
75°	582.4
77.5°	481.8
80°	378.9
82.5°	277.1
85°	176.6
87.5°	81.9
90°	2.3
92.5°	2.3
95°	2.3
97.5°	2.3
100°	2.3
102.5°	2.3
105°	2.3
107.5°	2.3
110°	2.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.3
115°	3.5
117.5°	3.5
120°	3.5
122.5°	3.5
125°	4.7
127.5°	4.7
130°	5.8
132.5°	5.8
135°	7.0
137.5°	8.2
140°	9.4
142.5°	10.5
145°	11.7
147.5°	14.0
150°	14.0
152.5°	14.0
155°	11.7
157.5°	11.7
160°	11.7
162.5°	11.7
165°	11.7
167.5°	11.7
170°	12.9
172.5°	12.9
175°	12.9
177.5°	12.9
180°	12.9

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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	14.65	15.95	15.02	16.27	16.59	14.65	15.95	15.02	16.27	16.59
	3H	16.82	17.98	17.21	18.31	18.68	16.82	17.98	17.21	18.31	18.68
	4H	17.60	18.68	18.01	19.04	19.42	17.60	18.68	18.01	19.04	19.42
	6H	18.10	19.10	18.52	19.47	19.87	18.10	19.10	18.52	19.47	19.87
	8H	18.23	19.17	18.66	19.57	19.98	18.23	19.17	18.66	19.57	19.98
	12H	18.29	19.19	18.73	19.58	20.02	18.29	19.19	18.73	19.58	20.02
4H	2H	15.30	16.38	15.70	16.73	17.12	15.30	16.38	15.70	16.73	17.12
	3H	17.63	18.52	18.04	18.93	19.34	17.63	18.52	18.04	18.93	19.34
	4H	18.50	19.30	18.94	19.73	20.17	18.50	19.30	18.94	19.73	20.17
	6H	19.10	19.80	19.56	20.25	20.72	19.10	19.80	19.56	20.25	20.72
	8H	19.26	19.91	19.73	20.36	20.84	19.26	19.91	19.73	20.36	20.84
	12H	19.34	19.92	19.83	20.41	20.89	19.34	19.92	19.83	20.41	20.89
8H	4H	18.74	19.40	19.22	19.85	20.32	18.74	19.40	19.22	19.85	20.32
	6H	19.44	19.97	19.94	20.47	20.96	19.44	19.97	19.94	20.47	20.96
	8H	19.65	20.13	20.18	20.65	21.14	19.65	20.13	20.18	20.65	21.14
	12H	19.79	20.21	20.31	20.71	21.28	19.79	20.21	20.31	20.71	21.28
12H	4H	18.75	19.33	19.24	19.81	20.29	18.75	19.33	19.24	19.81	20.29
	6H	19.46	19.94	19.98	20.45	20.95	19.46	19.94	19.98	20.45	20.95
	8H	19.71	20.14	20.23	20.63	21.21	19.71	20.14	20.23	20.63	21.21