

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: P1221327

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221327
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 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

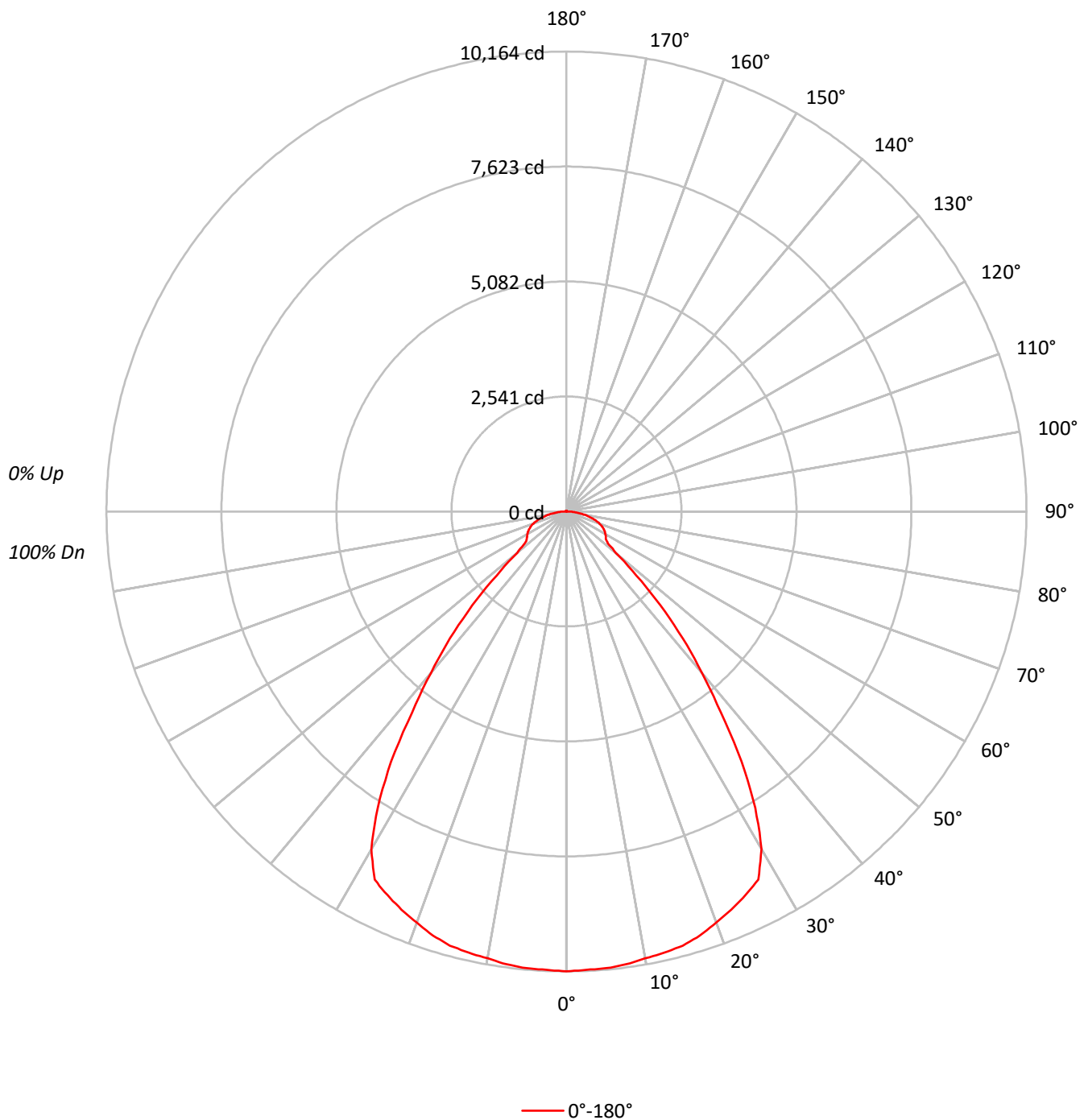
Lumens per Lamp: N/A
Luminaire Lumens: 17219.2 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63		
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58	57		
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55563
5°	53126
10°	50869
15°	49162
20°	47090
25°	45160
30°	41553
35°	32754
40°	22929
45°	14781
50°	7353
55°	5753
60°	5635
65°	5442
70°	5004
75°	4188
80°	3016
85°	1588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.9	5.6
10°-20°	2801.0	16.3
20°-30°	4292.8	24.9
30°-40°	4151.8	24.1
40°-50°	2264.4	13.2
50°-60°	995.4	5.8
60°-70°	889.2	5.2
70°-80°	622.6	3.6
80°-90°	201.9	1.2
90°-100°	2.6	0.0
100°-110°	2.5	0.0
110°-120°	3.1	0.0
120°-130°	4.0	0.0
130°-140°	5.6	0.0
140°-150°	7.6	0.0
150°-160°	6.0	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8057.7	46.8
0°-40°	12209.5	70.9
0°-60°	15469.3	89.8
0°-90°	17183.0	99.8
90°-120°	8.3	0.0
90°-150°	25.6	0.1
90°-180°	36.0	0.2
0°-180°	17219.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10164	
5°	10135	964
15°	9934	2801
25°	9358	4293
35°	6750	4152
45°	2937	2264
55°	1066	995
65°	904	889
75°	595	623
85°	180	190
90°	2	12
95°	2	2
105°	2	3
115°	4	3
125°	5	4
135°	7	6
145°	12	8
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10163.6
2.5°	10139.7
5°	10134.9
7.5°	10094.3
10°	10029.8
12.5°	9988.0
15°	9934.2
17.5°	9821.9
20°	9673.7
22.5°	9523.2
25°	9358.3
27.5°	9175.5
30°	8620.0
32.5°	7764.6
35°	6750.2
37.5°	5602.1
40°	4658.3
42.5°	3806.4
45°	2936.7
47.5°	2095.6
50°	1417.0
52.5°	1149.3
55°	1065.7
57.5°	1031.1
60°	994.0
62.5°	955.8
65°	904.4
67.5°	844.7
70°	774.2
72.5°	691.8
75°	595.0
77.5°	492.2
80°	387.1
82.5°	283.2
85°	180.4
87.5°	83.6
90°	2.4
92.5°	2.4
95°	2.4
97.5°	2.4
100°	2.4
102.5°	2.4
105°	2.4
107.5°	2.4
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
115°	3.6
117.5°	3.6
120°	3.6
122.5°	3.6
125°	4.8
127.5°	4.8
130°	6.0
132.5°	6.0
135°	7.2
137.5°	8.4
140°	9.6
142.5°	10.8
145°	11.9
147.5°	14.3
150°	14.3
152.5°	14.3
155°	11.9
157.5°	11.9
160°	11.9
162.5°	11.9
165°	11.9
167.5°	11.9
170°	13.1
172.5°	13.1
175°	13.1
177.5°	13.1
180°	13.1

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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	14.73	16.02	15.10	16.34	16.66	14.73	16.02	15.10	16.34	16.66
	3H	16.90	18.05	17.28	18.39	18.76	16.90	18.05	17.28	18.39	18.76
	4H	17.67	18.75	18.08	19.11	19.50	17.67	18.75	18.08	19.11	19.50
	6H	18.17	19.17	18.59	19.54	19.94	18.17	19.17	18.59	19.54	19.94
	8H	18.30	19.25	18.74	19.64	20.05	18.30	19.25	18.74	19.64	20.05
	12H	18.36	19.27	18.80	19.65	20.09	18.36	19.27	18.80	19.65	20.09
4H	2H	15.37	16.45	15.78	16.81	17.20	15.37	16.45	15.78	16.81	17.20
	3H	17.70	18.60	18.12	19.00	19.41	17.70	18.60	18.12	19.00	19.41
	4H	18.57	19.38	19.01	19.80	20.25	18.57	19.38	19.01	19.80	20.25
	6H	19.17	19.87	19.64	20.32	20.79	19.17	19.87	19.64	20.32	20.79
	8H	19.33	19.98	19.80	20.43	20.91	19.33	19.98	19.80	20.43	20.91
	12H	19.42	19.99	19.91	20.48	20.96	19.42	19.99	19.91	20.48	20.96
8H	4H	18.82	19.47	19.29	19.92	20.40	18.82	19.47	19.29	19.92	20.40
	6H	19.51	20.04	20.02	20.54	21.03	19.51	20.04	20.02	20.54	21.03
	8H	19.73	20.20	20.25	20.72	21.22	19.73	20.20	20.25	20.72	21.22
	12H	19.86	20.28	20.38	20.78	21.36	19.86	20.28	20.38	20.78	21.36
12H	4H	18.82	19.40	19.31	19.89	20.37	18.82	19.40	19.31	19.89	20.37
	6H	19.53	20.01	20.06	20.53	21.02	19.53	20.01	20.06	20.53	21.02
	8H	19.79	20.21	20.31	20.71	21.28	19.79	20.21	20.31	20.71	21.28

END OF REPORT