

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: P1221345

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221345
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 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

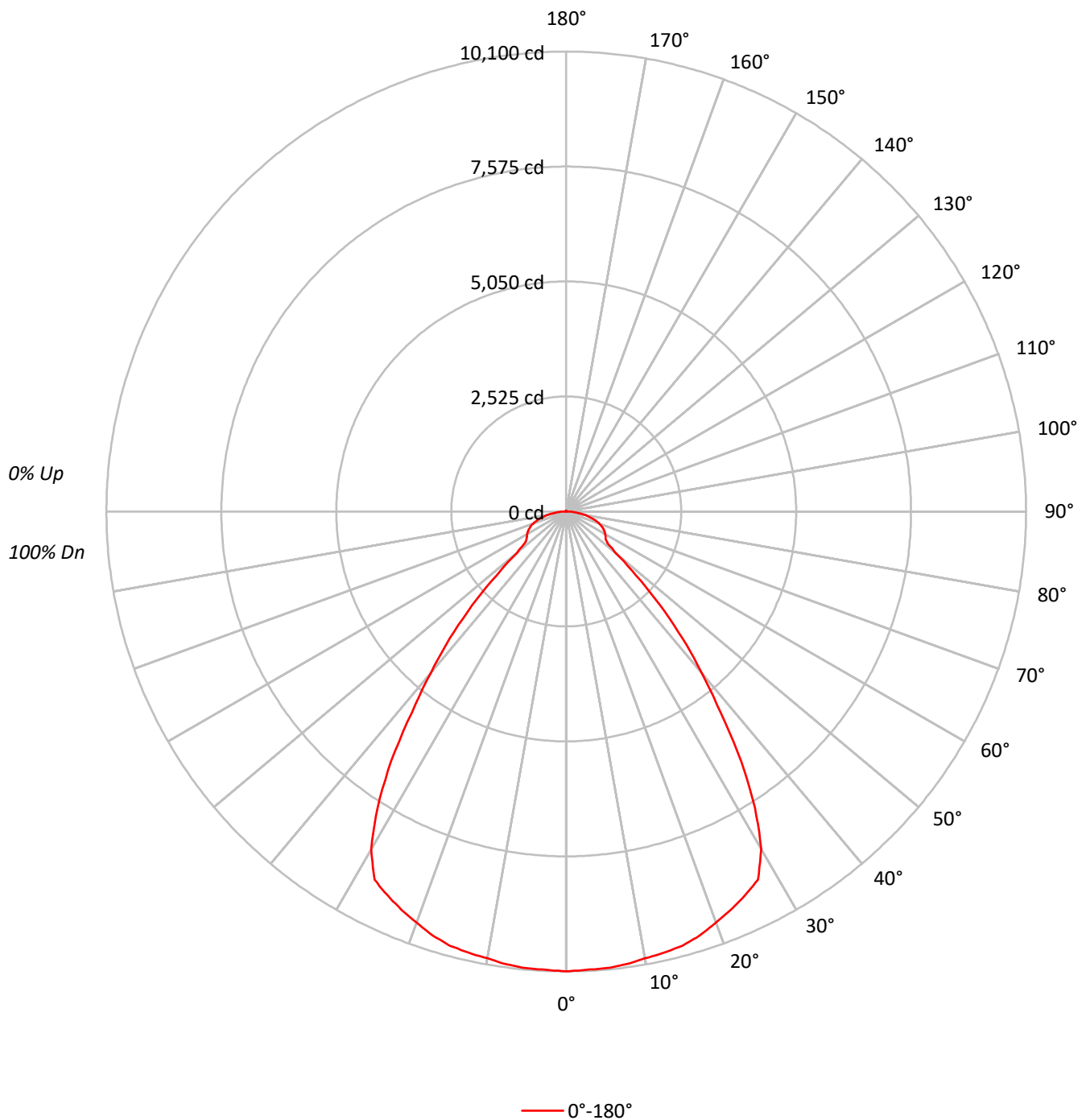
Lumens per Lamp: N/A
Luminaire Lumens: 17111.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55213
5°	52792
10°	50549
15°	48854
20°	46795
25°	44876
30°	41292
35°	32548
40°	22785
45°	14687
50°	7307
55°	5717
60°	5600
65°	5408
70°	4972
75°	4161
80°	2998
85°	1578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14687 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.9	5.6
10°-20°	2783.4	16.3
20°-30°	4265.8	24.9
30°-40°	4125.7	24.1
40°-50°	2250.1	13.2
50°-60°	989.2	5.8
60°-70°	883.6	5.2
70°-80°	618.6	3.6
80°-90°	200.6	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°	8007.1	46.8
0°-40°	12132.8	70.9
0°-60°	15372.1	89.8
0°-90°	17075.0	99.8
90°-120°	8.3	0.0
90°-150°	25.4	0.1
90°-180°	36.0	0.2
0°-180°	17111.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10100	
5°	10071	958
15°	9872	2783
25°	9300	4266
35°	6708	4126
45°	2918	2250
55°	1059	989
65°	899	884
75°	591	619
85°	179	189
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°	10099.7
2.5°	10076.0
5°	10071.2
7.5°	10030.9
10°	9966.7
12.5°	9925.2
15°	9871.8
17.5°	9760.2
20°	9613.0
22.5°	9463.4
25°	9299.5
27.5°	9117.9
30°	8565.8
32.5°	7715.8
35°	6707.8
37.5°	5566.9
40°	4629.0
42.5°	3782.5
45°	2918.2
47.5°	2082.4
50°	1408.0
52.5°	1142.1
55°	1059.0
57.5°	1024.6
60°	987.8
62.5°	949.8
65°	898.7
67.5°	839.4
70°	769.3
72.5°	687.4
75°	591.2
77.5°	489.1
80°	384.7
82.5°	281.4
85°	179.3
87.5°	83.1
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°	4.7
127.5°	4.7
130°	5.9
132.5°	5.9
135°	7.1
137.5°	8.3
140°	9.5
142.5°	10.7
145°	11.9
147.5°	14.2
150°	14.2
152.5°	14.2
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	14.71	16.00	15.08	16.32	16.64	14.71	16.00	15.08	16.32	16.64
	3H	16.88	18.03	17.26	18.37	18.74	16.88	18.03	17.26	18.37	18.74
	4H	17.65	18.73	18.06	19.09	19.48	17.65	18.73	18.06	19.09	19.48
	6H	18.15	19.15	18.57	19.52	19.92	18.15	19.15	18.57	19.52	19.92
	8H	18.28	19.23	18.72	19.62	20.03	18.28	19.23	18.72	19.62	20.03
	12H	18.34	19.24	18.78	19.63	20.07	18.34	19.24	18.78	19.63	20.07
4H	2H	15.35	16.43	15.76	16.79	17.18	15.35	16.43	15.76	16.79	17.18
	3H	17.68	18.57	18.09	18.98	19.39	17.68	18.57	18.09	18.98	19.39
	4H	18.55	19.35	18.99	19.78	20.23	18.55	19.35	18.99	19.78	20.23
	6H	19.15	19.85	19.62	20.30	20.77	19.15	19.85	19.62	20.30	20.77
	8H	19.31	19.96	19.78	20.41	20.89	19.31	19.96	19.78	20.41	20.89
	12H	19.40	19.97	19.88	20.46	20.94	19.40	19.97	19.88	20.46	20.94
8H	4H	18.80	19.45	19.27	19.90	20.37	18.80	19.45	19.27	19.90	20.37
	6H	19.49	20.02	19.99	20.52	21.01	19.49	20.02	19.99	20.52	21.01
	8H	19.70	20.18	20.23	20.70	21.20	19.70	20.18	20.23	20.70	21.20
	12H	19.84	20.26	20.36	20.76	21.34	19.84	20.26	20.36	20.76	21.34
12H	4H	18.80	19.38	19.29	19.86	20.34	18.80	19.38	19.29	19.86	20.34
	6H	19.51	19.99	20.03	20.51	21.00	19.51	19.99	20.03	20.51	21.00
	8H	19.77	20.19	20.29	20.69	21.26	19.77	20.19	20.29	20.69	21.26

END OF REPORT