

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: P1221325

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221325
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

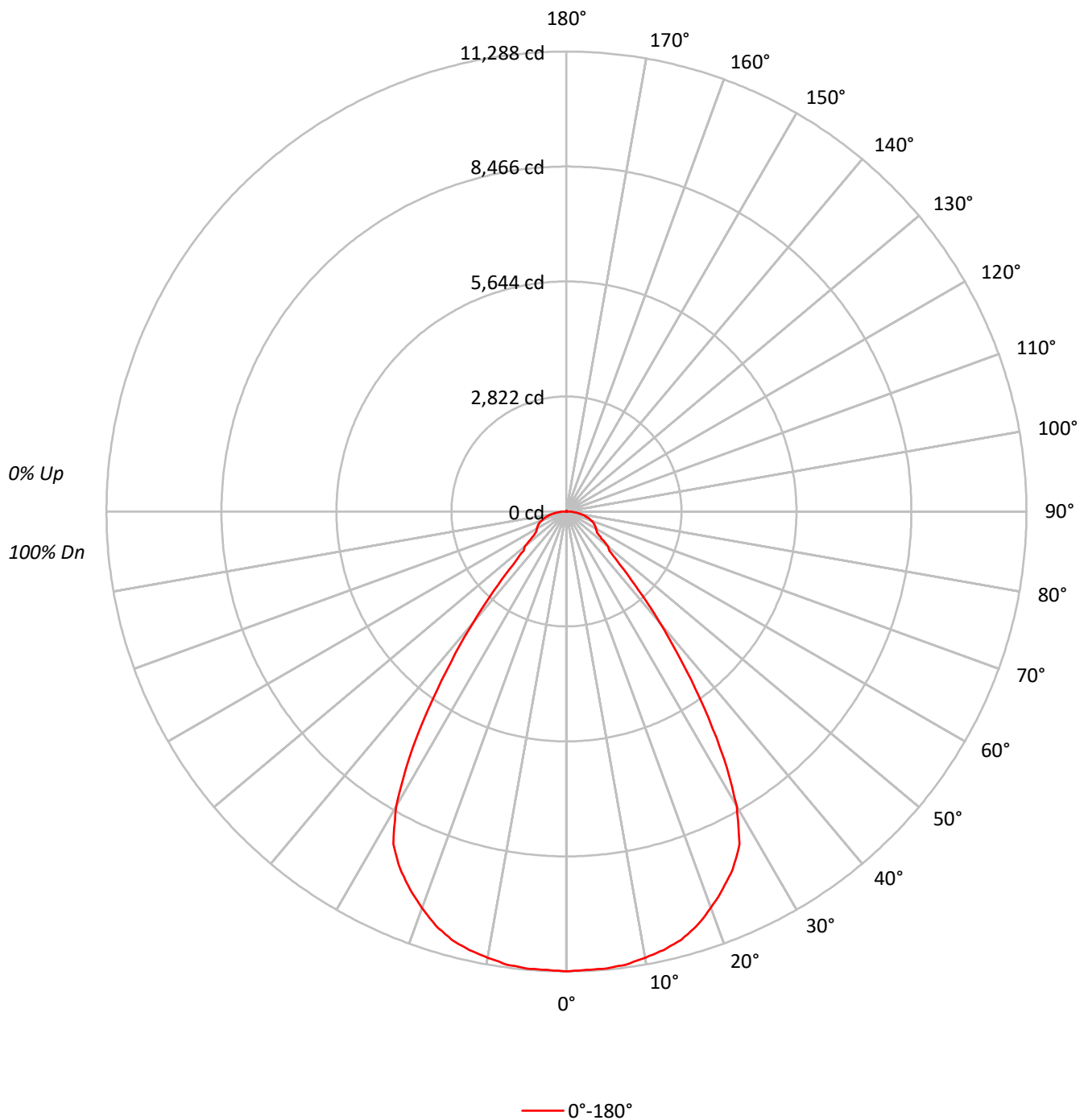
Lumens per Lamp: N/A
Luminaire Lumens: 16157.9 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	105	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50		
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61709
5°	59019
10°	56401
15°	53857
20°	50428
25°	46659
30°	40269
35°	28574
40°	17578
45°	9320
50°	6913
55°	4998
60°	4741
65°	4558
70°	4178
75°	3591
80°	2700
85°	1462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1070.4	6.6
10°-20°	3057.9	18.9
20°-30°	4401.3	27.2
30°-40°	3660.6	22.7
40°-50°	1592.0	9.9
50°-60°	884.2	5.5
60°-70°	744.9	4.6
70°-80°	533.0	3.3
80°-90°	184.2	1.1
90°-100°	2.6	0.0
100°-110°	1.3	0.0
110°-120°	2.2	0.0
120°-130°	2.5	0.0
130°-140°	4.0	0.0
140°-150°	6.2	0.0
150°-160°	5.7	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8529.6	52.8
0°-40°	12190.2	75.4
0°-60°	14666.5	90.8
0°-90°	16128.6	99.8
90°-120°	6.1	0.0
90°-150°	18.9	0.1
90°-180°	29.0	0.2
0°-180°	16157.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11288	
5°	11259	###
15°	10883	3058
25°	9669	4401
35°	5889	3661
45°	1852	1592
55°	926	884
65°	758	745
75°	510	533
85°	166	173
90°	11	13
95°	1	1
105°	1	1
115°	2	2
125°	2	3
135°	5	4
145°	10	6
155°	12	6
165°	12	3
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11287.8
2.5°	11263.9
5°	11259.2
7.5°	11215.0
10°	11120.6
12.5°	11022.6
15°	10882.8
17.5°	10657.0
20°	10359.5
22.5°	10029.8
25°	9669.0
27.5°	9198.2
30°	8353.6
32.5°	7191.1
35°	5888.8
37.5°	4648.7
40°	3571.1
42.5°	2618.9
45°	1851.8
47.5°	1426.5
50°	1332.1
52.5°	1077.6
55°	925.9
57.5°	872.2
60°	836.3
62.5°	801.7
65°	757.5
67.5°	706.1
70°	646.4
72.5°	581.8
75°	510.2
77.5°	431.3
80°	346.5
82.5°	258.1
85°	166.1
87.5°	74.1
90°	10.8
92.5°	1.2
95°	1.2
97.5°	1.2
100°	1.2
102.5°	1.2
105°	1.2
107.5°	1.2
110°	1.2

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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°	4.8
135°	4.8
137.5°	6.0
140°	7.2
142.5°	8.4
145°	9.6
147.5°	11.9
150°	13.1
152.5°	13.1
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	13.86	15.10	14.23	15.41	15.73	13.86	15.10	14.23	15.41	15.73
	3H	15.98	17.08	16.36	17.42	17.79	15.98	17.08	16.36	17.42	17.79
	4H	16.77	17.80	17.18	18.16	18.55	16.77	17.80	17.18	18.16	18.55
	6H	17.32	18.27	17.73	18.64	19.04	17.32	18.27	17.73	18.64	19.04
	8H	17.47	18.37	17.90	18.76	19.17	17.47	18.37	17.90	18.76	19.17
	12H	17.54	18.40	17.98	18.79	19.22	17.54	18.40	17.98	18.79	19.22
4H	2H	14.47	15.51	14.88	15.86	16.25	14.47	15.51	14.88	15.86	16.25
	3H	16.76	17.61	17.17	18.02	18.43	16.76	17.61	17.17	18.02	18.43
	4H	17.65	18.42	18.09	18.85	19.29	17.65	18.42	18.09	18.85	19.29
	6H	18.31	18.97	18.78	19.43	19.90	18.31	18.97	18.78	19.43	19.90
	8H	18.49	19.12	18.97	19.57	20.04	18.49	19.12	18.97	19.57	20.04
	12H	18.60	19.14	19.09	19.63	20.11	18.60	19.14	19.09	19.63	20.11
8H	4H	17.91	18.53	18.38	18.98	19.46	17.91	18.53	18.38	18.98	19.46
	6H	18.67	19.17	19.17	19.67	20.16	18.67	19.17	19.17	19.67	20.16
	8H	18.91	19.37	19.44	19.89	20.38	18.91	19.37	19.44	19.89	20.38
	12H	19.07	19.47	19.59	19.97	20.55	19.07	19.47	19.59	19.97	20.55
12H	4H	17.91	18.46	18.40	18.95	19.43	17.91	18.46	18.40	18.95	19.43
	6H	18.69	19.15	19.22	19.67	20.16	18.69	19.15	19.22	19.67	20.16
	8H	18.99	19.38	19.51	19.88	20.46	18.99	19.38	19.51	19.88	20.46

END OF REPORT