

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: P1221219

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221219
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

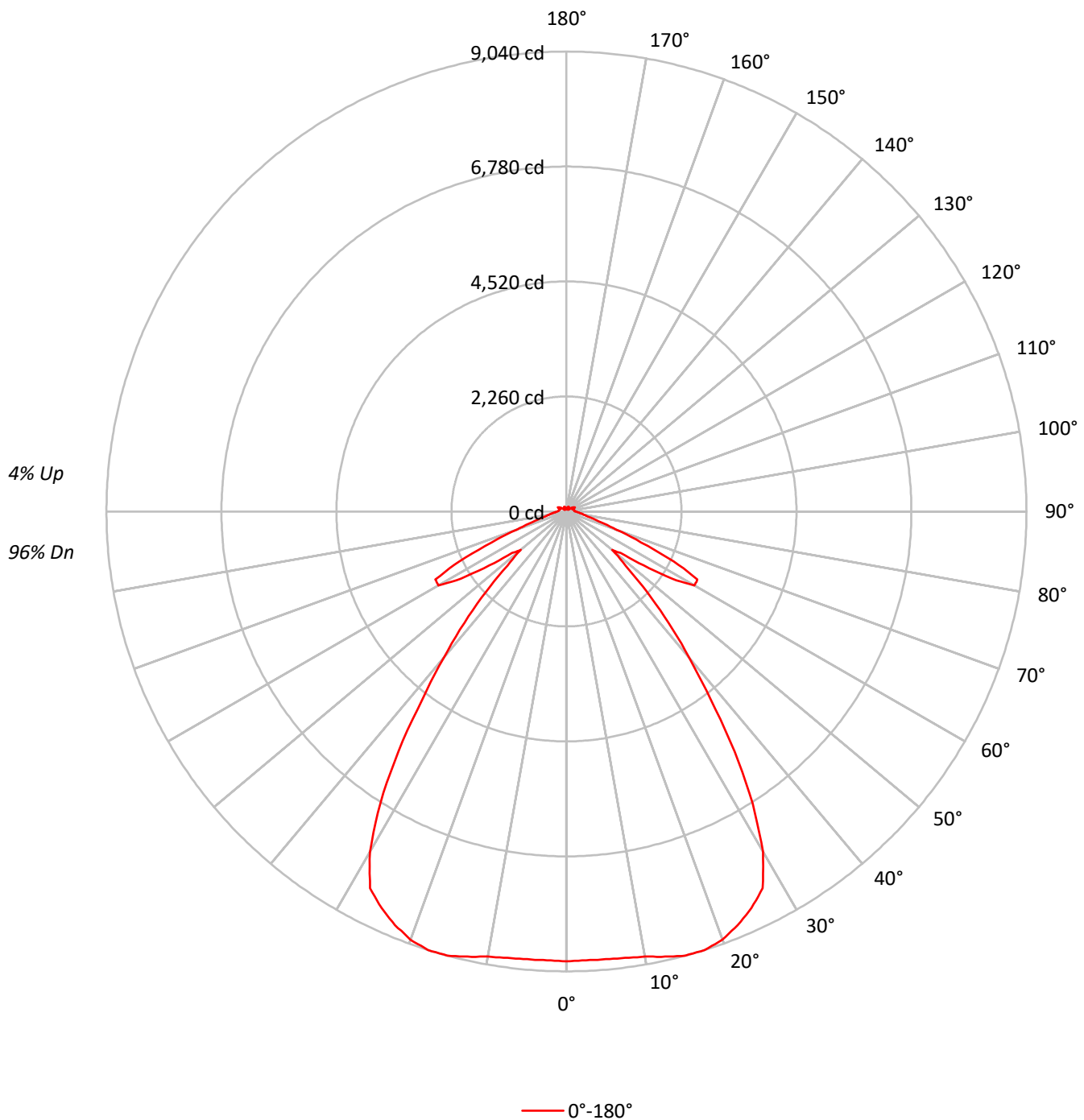
Lumens per Lamp: N/A
Luminaire Lumens: 18169.7 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48340
5°	46315
10°	45054
15°	44727
20°	43592
25°	41514
30°	37241
35°	27965
40°	18474
45°	11249
50°	6085
55°	9980
60°	16466
65°	13997
70°	6713
75°	3623
80°	2585
85°	2110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 62.5°

Luminance: 16933 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.9	4.7
10°-20°	2550.0	14.0
20°-30°	3930.4	21.6
30°-40°	3553.6	19.6
40°-50°	1761.4	9.7
50°-60°	1740.4	9.6
60°-70°	2167.7	11.9
70°-80°	608.0	3.3
80°-90°	267.4	1.5
90°-100°	170.8	0.9
100°-110°	151.2	0.8
110°-120°	165.4	0.9
120°-130°	103.3	0.6
130°-140°	40.8	0.2
140°-150°	43.6	0.2
150°-160°	44.0	0.2
160°-170°	22.0	0.1
170°-180°	4.7	0.0
0°-30°	7325.3	40.3
0°-40°	10878.9	59.9
0°-60°	14380.7	79.1
0°-90°	17423.8	95.9
90°-120°	487.4	2.7
90°-150°	675.1	3.7
90°-180°	746.0	4.1
0°-180°	18169.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8842	
5°	8836	845
15°	9038	2550
25°	8603	3930
35°	5763	3554
45°	2235	1761
55°	1849	1740
65°	2326	2168
75°	515	608
85°	240	215
90°	176	99
95°	152	125
105°	149	151
115°	185	165
125°	112	103
135°	49	41
145°	70	44
155°	97	44
165°	77	22
175°	46	5
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8842.5
2.5°	8828.9
5°	8835.7
7.5°	8851.6
10°	8883.4
12.5°	8964.1
15°	9038.0
17.5°	9040.2
20°	8955.0
22.5°	8799.3
25°	8602.8
27.5°	8351.6
30°	7725.6
32.5°	6808.6
35°	5763.2
37.5°	4637.2
40°	3753.1
42.5°	2970.2
45°	2235.1
47.5°	1574.9
50°	1172.6
52.5°	1339.7
55°	1848.7
57.5°	2458.9
60°	2904.3
62.5°	2903.2
65°	2326.0
67.5°	1589.7
70°	1038.6
72.5°	711.3
75°	514.7
77.5°	397.7
80°	331.8
82.5°	281.8
85°	239.8
87.5°	205.7
90°	176.1
92.5°	161.4
95°	152.3
97.5°	148.9
100°	151.1
102.5°	152.3
105°	148.9
107.5°	131.8
110°	125.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.4
115°	185.2
117.5°	184.1
120°	164.8
122.5°	139.8
125°	112.5
127.5°	87.5
130°	69.3
132.5°	56.8
135°	48.9
137.5°	45.5
140°	47.7
142.5°	55.7
145°	70.4
147.5°	85.2
150°	93.2
152.5°	96.6
155°	96.6
157.5°	94.3
160°	90.9
162.5°	85.2
165°	77.3
167.5°	67.0
170°	58.0
172.5°	50.0
175°	45.5
177.5°	43.2
180°	42.0

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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	20.38	21.72	20.81	22.13	22.54	20.38	21.72	20.81	22.13	22.54
	3H	21.50	22.72	21.95	23.13	23.60	21.50	22.72	21.95	23.13	23.60
	4H	21.61	22.75	22.08	23.18	23.66	21.61	22.75	22.08	23.18	23.66
	6H	21.65	22.70	22.13	23.15	23.65	21.65	22.70	22.13	23.15	23.65
	8H	21.66	22.66	22.15	23.13	23.63	21.66	22.66	22.15	23.13	23.63
	12H	21.67	22.62	22.16	23.09	23.62	21.67	22.62	22.16	23.09	23.62
4H	2H	21.16	22.30	21.63	22.73	23.21	21.16	22.30	21.63	22.73	23.21
	3H	22.19	23.15	22.67	23.63	24.13	22.19	23.15	22.67	23.63	24.13
	4H	22.31	23.18	22.81	23.67	24.21	22.31	23.18	22.81	23.67	24.21
	6H	22.39	23.14	22.92	23.66	24.22	22.39	23.14	22.92	23.66	24.22
	8H	22.42	23.11	22.95	23.63	24.20	22.42	23.11	22.95	23.63	24.20
	12H	22.44	23.06	23.00	23.61	24.18	22.44	23.06	23.00	23.61	24.18
8H	4H	22.30	23.00	22.83	23.52	24.08	22.30	23.00	22.83	23.52	24.08
	6H	22.41	22.98	22.98	23.55	24.12	22.41	22.98	22.98	23.55	24.12
	8H	22.47	22.97	23.05	23.55	24.13	22.47	22.97	23.05	23.55	24.13
	12H	22.54	22.97	23.12	23.54	24.20	22.54	22.97	23.12	23.54	24.20
12H	4H	22.28	22.89	22.83	23.45	24.01	22.28	22.89	22.83	23.45	24.01
	6H	22.39	22.89	22.97	23.48	24.06	22.39	22.89	22.97	23.48	24.06
	8H	22.48	22.91	23.06	23.48	24.13	22.48	22.91	23.06	23.48	24.13

END OF REPORT