

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: P1221246

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221246
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

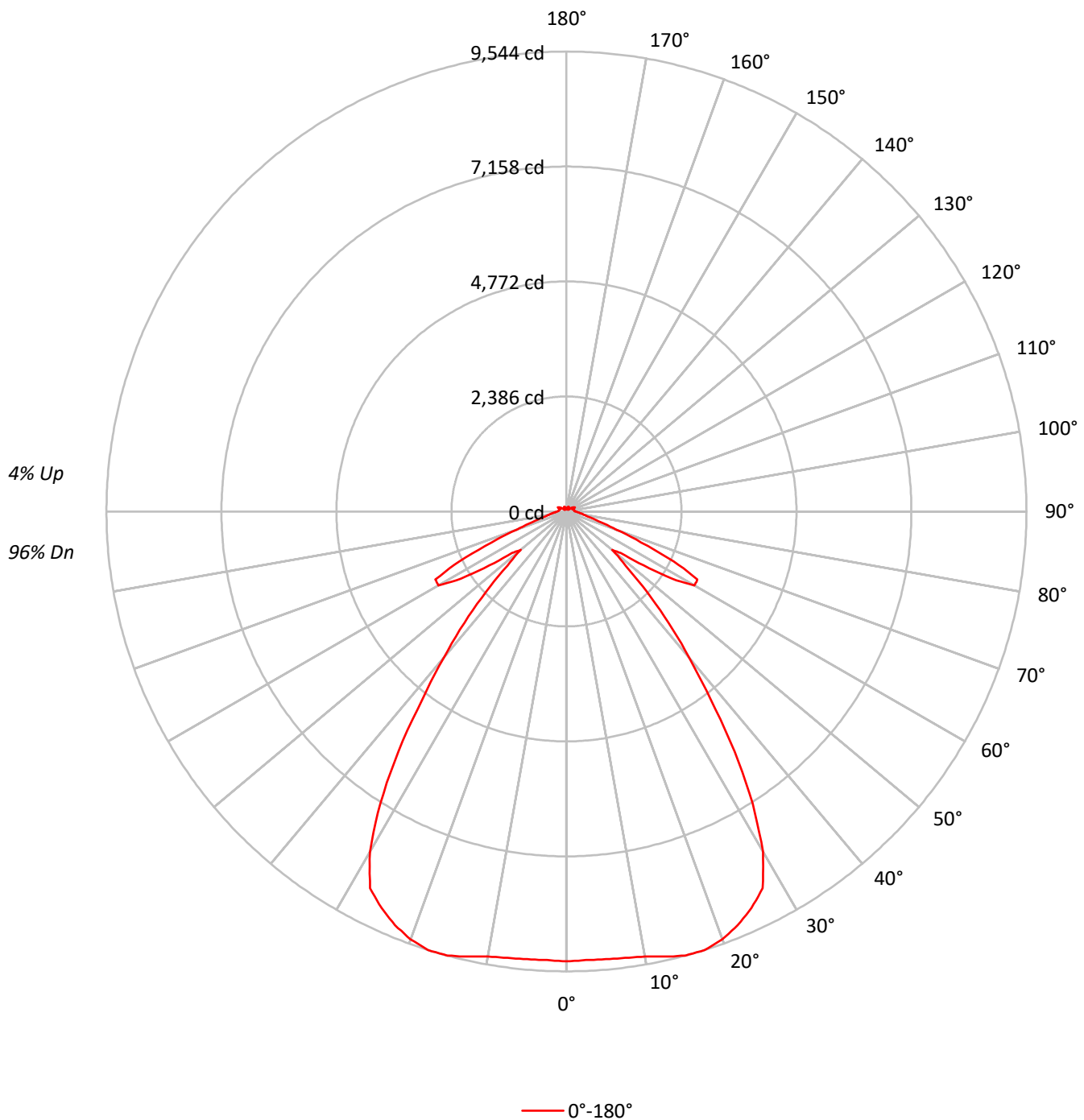
Lumens per Lamp: N/A
Luminaire Lumens: 19181.0 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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

TEST NUMBER: P1221246

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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°	51032
5°	48894
10°	47562
15°	47217
20°	46018
25°	43825
30°	39314
35°	29521
40°	19502
45°	11875
50°	6424
55°	10535
60°	17382
65°	14775
70°	7087
75°	3825
80°	2730
85°	2227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 62.5°
Luminance: 17876 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	892.0	4.7
10°-20°	2691.9	14.0
20°-30°	4149.2	21.6
30°-40°	3751.4	19.6
40°-50°	1859.4	9.7
50°-60°	1837.2	9.6
60°-70°	2288.4	11.9
70°-80°	641.9	3.3
80°-90°	282.3	1.5
90°-100°	180.3	0.9
100°-110°	159.5	0.8
110°-120°	174.5	0.9
120°-130°	109.1	0.6
130°-140°	43.1	0.2
140°-150°	46.1	0.2
150°-160°	46.4	0.2
160°-170°	23.3	0.1
170°-180°	5.0	0.0
0°-30°	7733.1	40.3
0°-40°	11484.5	59.9
0°-60°	15181.2	79.1
0°-90°	18393.7	95.9
90°-120°	514.3	2.7
90°-150°	712.6	3.7
90°-180°	787.0	4.1
0°-180°	19181.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9335	
5°	9328	892
15°	9541	2692
25°	9082	4149
35°	6084	3751
45°	2360	1859
55°	1952	1837
65°	2455	2288
75°	543	642
85°	253	227
90°	186	104
95°	161	131
105°	157	160
115°	196	175
125°	119	109
135°	52	43
145°	74	46
155°	102	46
165°	82	23
175°	48	5
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9334.8
2.5°	9320.4
5°	9327.6
7.5°	9344.4
10°	9377.9
12.5°	9463.1
15°	9541.1
17.5°	9543.5
20°	9453.5
22.5°	9289.2
25°	9081.7
27.5°	8816.6
30°	8155.6
32.5°	7187.6
35°	6084.0
37.5°	4895.3
40°	3962.1
42.5°	3135.6
45°	2359.5
47.5°	1662.6
50°	1237.9
52.5°	1414.2
55°	1951.6
57.5°	2595.8
60°	3066.0
62.5°	3064.8
65°	2455.4
67.5°	1678.1
70°	1096.4
72.5°	750.9
75°	543.4
77.5°	419.8
80°	350.3
82.5°	297.5
85°	253.1
87.5°	217.1
90°	185.9
92.5°	170.3
95°	160.7
97.5°	157.1
100°	159.5
102.5°	160.7
105°	157.1
107.5°	139.1
110°	131.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.9
115°	195.5
117.5°	194.3
120°	173.9
122.5°	147.5
125°	118.8
127.5°	92.4
130°	73.2
132.5°	60.0
135°	51.6
137.5°	48.0
140°	50.4
142.5°	58.8
145°	74.4
147.5°	90.0
150°	98.4
152.5°	102.0
155°	102.0
157.5°	99.6
160°	96.0
162.5°	90.0
165°	81.6
167.5°	70.8
170°	61.2
172.5°	52.8
175°	48.0
177.5°	45.6
180°	44.4

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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	20.56	21.91	21.00	22.31	22.73	20.56	21.91	21.00	22.31	22.73
	3H	21.69	22.91	22.14	23.32	23.79	21.69	22.91	22.14	23.32	23.79
	4H	21.80	22.94	22.27	23.37	23.85	21.80	22.94	22.27	23.37	23.85
	6H	21.84	22.89	22.32	23.34	23.83	21.84	22.89	22.32	23.34	23.83
	8H	21.85	22.85	22.34	23.32	23.82	21.85	22.85	22.34	23.32	23.82
	12H	21.85	22.81	22.35	23.28	23.80	21.85	22.81	22.35	23.28	23.80
4H	2H	21.34	22.49	21.81	22.92	23.40	21.34	22.49	21.81	22.92	23.40
	3H	22.38	23.34	22.86	23.82	24.32	22.38	23.34	22.86	23.82	24.32
	4H	22.50	23.36	23.00	23.86	24.40	22.50	23.36	23.00	23.86	24.40
	6H	22.58	23.33	23.11	23.85	24.40	22.58	23.33	23.11	23.85	24.40
	8H	22.60	23.30	23.14	23.82	24.38	22.60	23.30	23.14	23.82	24.38
	12H	22.63	23.25	23.18	23.80	24.37	22.63	23.25	23.18	23.80	24.37
8H	4H	22.49	23.18	23.02	23.70	24.27	22.49	23.18	23.02	23.70	24.27
	6H	22.60	23.17	23.17	23.74	24.31	22.60	23.17	23.17	23.74	24.31
	8H	22.66	23.16	23.24	23.74	24.32	22.66	23.16	23.24	23.74	24.32
	12H	22.73	23.16	23.31	23.73	24.39	22.73	23.16	23.31	23.73	24.39
12H	4H	22.46	23.08	23.01	23.63	24.20	22.46	23.08	23.01	23.63	24.20
	6H	22.58	23.08	23.16	23.66	24.25	22.58	23.08	23.16	23.66	24.25
	8H	22.67	23.10	23.24	23.66	24.32	22.67	23.10	23.24	23.66	24.32

END OF REPORT