

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: P1221249

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221249
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 (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

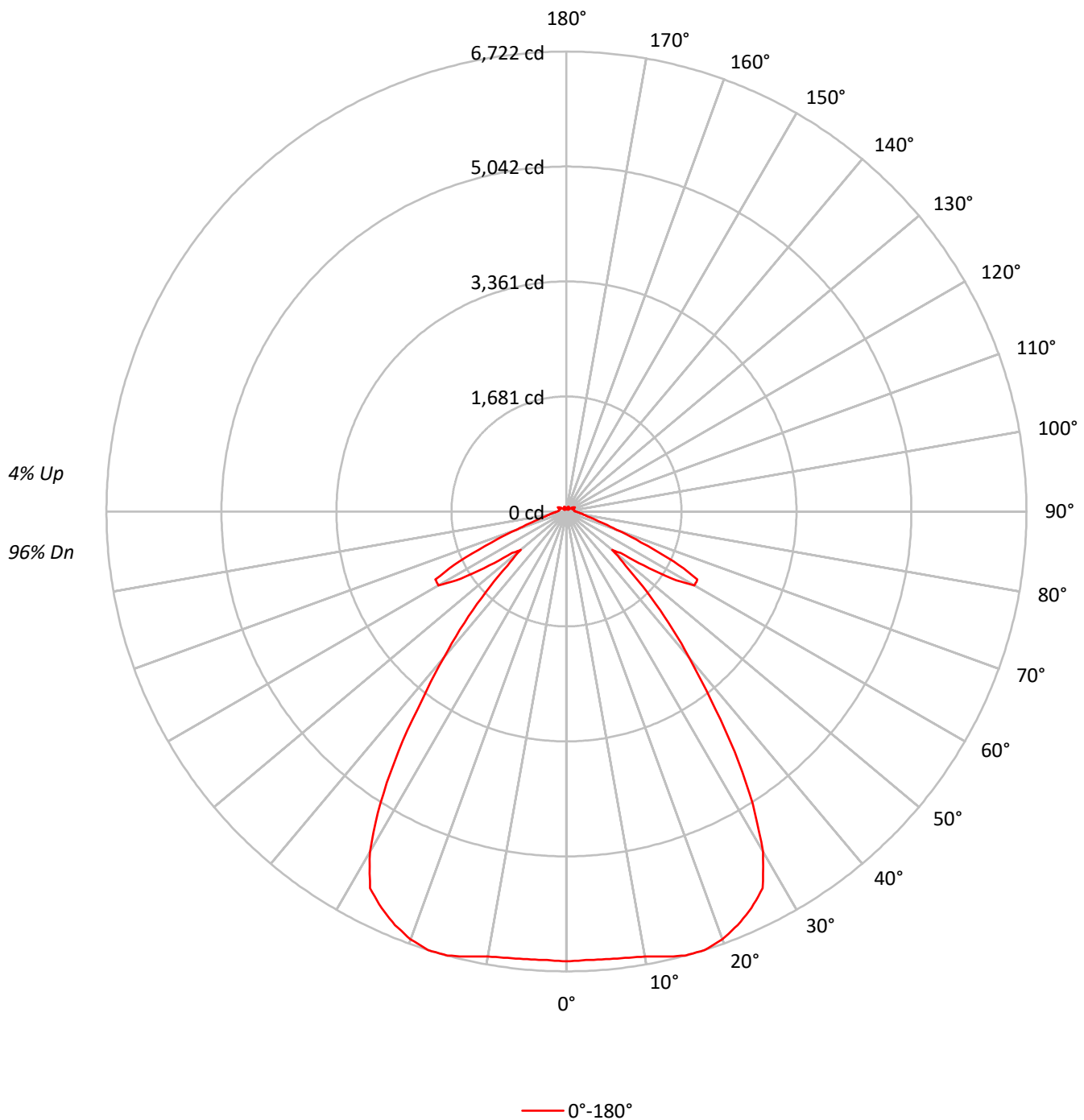
Lumens per Lamp: N/A
Luminaire Lumens: 13509.5 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	83		
2	101	93	87	82	98	91	86	81	87	82	79	83	79	76	80	77	74	72		
3	93	83	76	71	90	82	75	70	78	73	68	75	70	66	72	68	65	63		
4	86	75	67	61	83	74	66	61	71	65	60	68	63	58	66	61	57	55		
5	80	68	60	54	78	67	59	54	65	58	53	62	57	52	60	55	51	49		
6	74	62	54	49	72	61	54	48	59	53	48	57	51	47	55	50	46	44		
7	70	57	49	44	68	56	49	44	55	48	43	53	47	42	51	46	42	40		
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37		
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35	34		
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	36	33	31		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35942
5°	34436
10°	33499
15°	33255
20°	32411
25°	30866
30°	27690
35°	20792
40°	13735
45°	8364
50°	4525
55°	7420
60°	12242
65°	10407
70°	4991
75°	2694
80°	1922
85°	1569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 62.5°

Luminance: 12590 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.2	4.7
10°-20°	1896.0	14.0
20°-30°	2922.3	21.6
30°-40°	2642.1	19.6
40°-50°	1309.6	9.7
50°-60°	1294.0	9.6
60°-70°	1611.7	11.9
70°-80°	452.1	3.3
80°-90°	198.8	1.5
90°-100°	127.0	0.9
100°-110°	112.4	0.8
110°-120°	123.0	0.9
120°-130°	76.8	0.6
130°-140°	30.3	0.2
140°-150°	32.5	0.2
150°-160°	32.7	0.2
160°-170°	16.4	0.1
170°-180°	3.5	0.0
0°-30°	5446.5	40.3
0°-40°	8088.7	59.9
0°-60°	10692.3	79.1
0°-90°	12954.9	95.9
90°-120°	362.4	2.7
90°-150°	502.0	3.7
90°-180°	555.0	4.1
0°-180°	13509.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6575	
5°	6570	628
15°	6720	1896
25°	6396	2922
35°	4285	2642
45°	1662	1310
55°	1375	1294
65°	1729	1612
75°	383	452
85°	178	160
90°	131	73
95°	113	93
105°	111	112
115°	138	123
125°	84	77
135°	36	30
145°	52	32
155°	72	33
165°	57	16
175°	34	4
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6574.6
2.5°	6564.4
5°	6569.5
7.5°	6581.3
10°	6605.0
12.5°	6665.0
15°	6719.9
17.5°	6721.6
20°	6658.2
22.5°	6542.5
25°	6396.3
27.5°	6209.6
30°	5744.1
32.5°	5062.3
35°	4285.0
37.5°	3447.8
40°	2790.5
42.5°	2208.4
45°	1661.8
47.5°	1171.0
50°	871.9
52.5°	996.1
55°	1374.6
57.5°	1828.2
60°	2159.4
62.5°	2158.6
65°	1729.4
67.5°	1181.9
70°	772.2
72.5°	528.9
75°	382.7
77.5°	295.7
80°	246.7
82.5°	209.5
85°	178.3
87.5°	152.9
90°	131.0
92.5°	120.0
95°	113.2
97.5°	110.7
100°	112.4
102.5°	113.2
105°	110.7
107.5°	98.0
110°	92.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.1
115°	137.7
117.5°	136.9
120°	122.5
122.5°	103.9
125°	83.6
127.5°	65.1
130°	51.5
132.5°	42.2
135°	36.3
137.5°	33.8
140°	35.5
142.5°	41.4
145°	52.4
147.5°	63.4
150°	69.3
152.5°	71.8
155°	71.8
157.5°	70.1
160°	67.6
162.5°	63.4
165°	57.4
167.5°	49.8
170°	43.1
172.5°	37.2
175°	33.8
177.5°	32.1
180°	31.3

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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	19.35	20.69	19.78	21.10	21.51	19.35	20.69	19.78	21.10	21.51
	3H	20.47	21.69	20.92	22.10	22.57	20.47	21.69	20.92	22.10	22.57
	4H	20.58	21.72	21.05	22.15	22.63	20.58	21.72	21.05	22.15	22.63
	6H	20.62	21.67	21.10	22.12	22.62	20.62	21.67	21.10	22.12	22.62
	8H	20.63	21.63	21.12	22.10	22.60	20.63	21.63	21.12	22.10	22.60
	12H	20.64	21.59	21.14	22.06	22.59	20.64	21.59	21.14	22.06	22.59
4H	2H	20.13	21.27	20.60	21.70	22.18	20.13	21.27	20.60	21.70	22.18
	3H	21.16	22.12	21.64	22.60	23.10	21.16	22.12	21.64	22.60	23.10
	4H	21.28	22.15	21.78	22.64	23.18	21.28	22.15	21.78	22.64	23.18
	6H	21.36	22.11	21.89	22.63	23.19	21.36	22.11	21.89	22.63	23.19
	8H	21.39	22.08	21.92	22.60	23.17	21.39	22.08	21.92	22.60	23.17
	12H	21.41	22.03	21.97	22.59	23.15	21.41	22.03	21.97	22.59	23.15
8H	4H	21.27	21.97	21.80	22.49	23.05	21.27	21.97	21.80	22.49	23.05
	6H	21.38	21.95	21.95	22.52	23.09	21.38	21.95	21.95	22.52	23.09
	8H	21.44	21.94	22.02	22.52	23.10	21.44	21.94	22.02	22.52	23.10
	12H	21.51	21.94	22.09	22.51	23.17	21.51	21.94	22.09	22.51	23.17
12H	4H	21.25	21.86	21.80	22.42	22.98	21.25	21.86	21.80	22.42	22.98
	6H	21.36	21.86	21.94	22.45	23.03	21.36	21.86	21.94	22.45	23.03
	8H	21.45	21.88	22.03	22.45	23.10	21.45	21.88	22.03	22.45	23.10

END OF REPORT