

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: P1221231

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221231
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

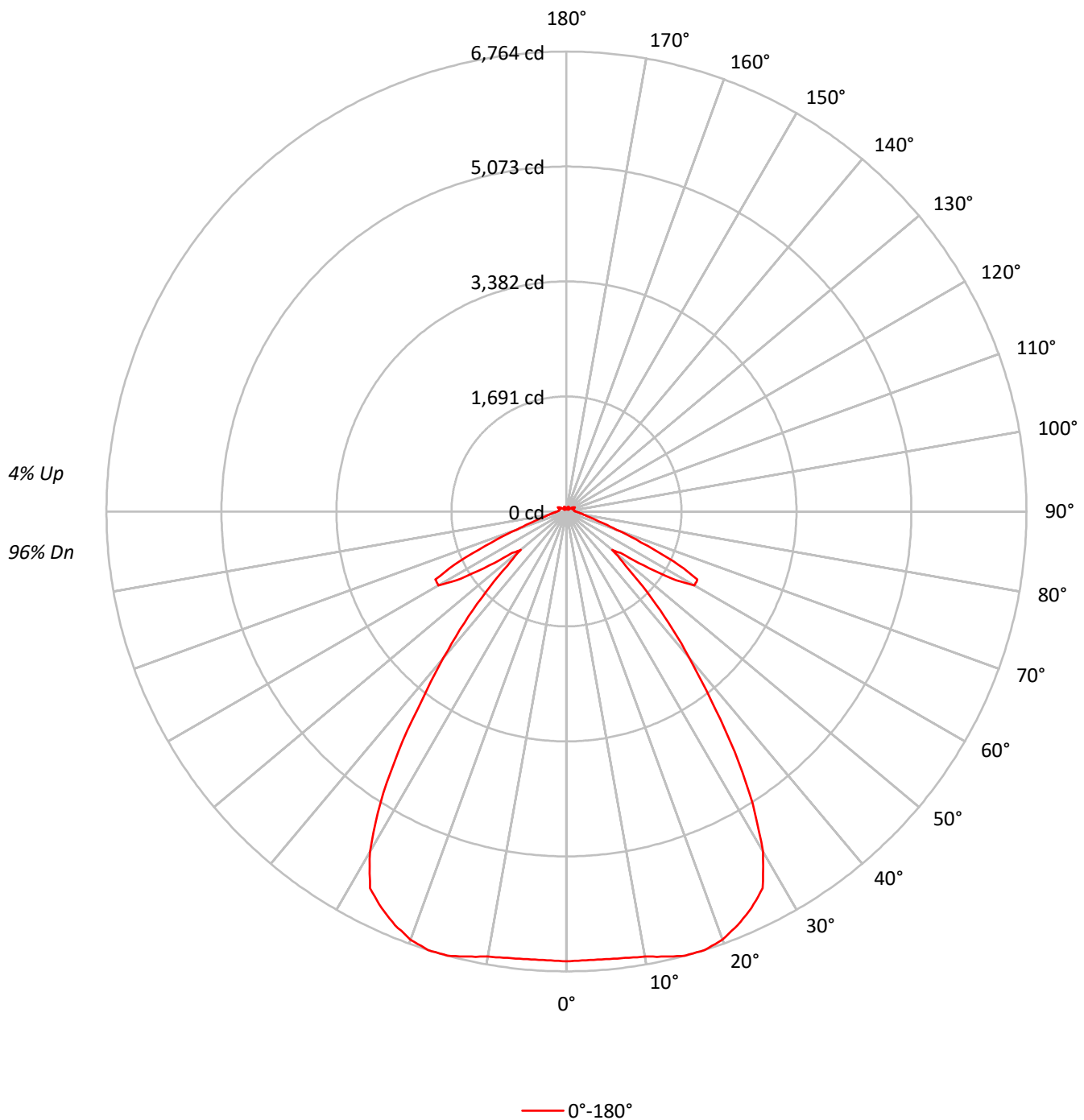
Lumens per Lamp: N/A
Luminaire Lumens: 13594.9 lumens
Efficiency: N/A
Efficacy: 169.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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°	36169
5°	34654
10°	33710
15°	33466
20°	32616
25°	31062
30°	27865
35°	20924
40°	13823
45°	8417
50°	4553
55°	7467
60°	12320
65°	10472
70°	5023
75°	2711
80°	1935
85°	1579

MAXIMUM LUMINANCE 45°-90°:

Luminance: 12670 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.2	4.7
10°-20°	1907.9	14.0
20°-30°	2940.8	21.6
30°-40°	2658.9	19.6
40°-50°	1317.9	9.7
50°-60°	1302.2	9.6
60°-70°	1621.9	11.9
70°-80°	454.9	3.3
80°-90°	200.1	1.5
90°-100°	127.8	0.9
100°-110°	113.1	0.8
110°-120°	123.7	0.9
120°-130°	77.3	0.6
130°-140°	30.6	0.2
140°-150°	32.7	0.2
150°-160°	32.9	0.2
160°-170°	16.5	0.1
170°-180°	3.5	0.0
0°-30°	5480.9	40.3
0°-40°	8139.8	59.9
0°-60°	10759.9	79.1
0°-90°	13036.9	95.9
90°-120°	364.6	2.7
90°-150°	505.1	3.7
90°-180°	558.0	4.1
0°-180°	13594.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6616	
5°	6611	632
15°	6762	1908
25°	6437	2941
35°	4312	2659
45°	1672	1318
55°	1383	1302
65°	1740	1622
75°	385	455
85°	179	161
90°	132	74
95°	114	93
105°	111	113
115°	139	124
125°	84	77
135°	37	31
145°	53	33
155°	72	33
165°	58	16
175°	34	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6616.1
2.5°	6605.9
5°	6611.0
7.5°	6622.9
10°	6646.7
12.5°	6707.1
15°	6762.4
17.5°	6764.1
20°	6700.3
22.5°	6583.8
25°	6436.8
27.5°	6248.9
30°	5780.4
32.5°	5094.3
35°	4312.1
37.5°	3469.6
40°	2808.2
42.5°	2222.4
45°	1672.3
47.5°	1178.4
50°	877.4
52.5°	1002.4
55°	1383.3
57.5°	1839.8
60°	2173.1
62.5°	2172.2
65°	1740.3
67.5°	1189.4
70°	777.1
72.5°	532.2
75°	385.1
77.5°	297.6
80°	248.3
82.5°	210.8
85°	179.4
87.5°	153.9
90°	131.8
92.5°	120.7
95°	113.9
97.5°	111.4
100°	113.1
102.5°	113.9
105°	111.4
107.5°	98.6
110°	93.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.8
115°	138.6
117.5°	137.7
120°	123.3
122.5°	104.6
125°	84.2
127.5°	65.5
130°	51.9
132.5°	42.5
135°	36.6
137.5°	34.0
140°	35.7
142.5°	41.7
145°	52.7
147.5°	63.8
150°	69.7
152.5°	72.3
155°	72.3
157.5°	70.6
160°	68.0
162.5°	63.8
165°	57.8
167.5°	50.2
170°	43.4
172.5°	37.4
175°	34.0
177.5°	32.3
180°	31.5

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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	19.37	20.72	19.80	21.12	21.54	19.37	20.72	19.80	21.12	21.54
	3H	20.50	21.71	20.94	22.13	22.59	20.50	21.71	20.94	22.13	22.59
	4H	20.60	21.74	21.07	22.18	22.66	20.60	21.74	21.07	22.18	22.66
	6H	20.64	21.69	21.12	22.14	22.64	20.64	21.69	21.12	22.14	22.64
	8H	20.65	21.65	21.15	22.12	22.63	20.65	21.65	21.15	22.12	22.63
	12H	20.66	21.62	21.16	22.08	22.61	20.66	21.62	21.16	22.08	22.61
4H	2H	20.15	21.29	20.62	21.72	22.20	20.15	21.29	20.62	21.72	22.20
	3H	21.18	22.14	21.66	22.62	23.12	21.18	22.14	21.66	22.62	23.12
	4H	21.31	22.17	21.81	22.66	23.20	21.31	22.17	21.81	22.66	23.20
	6H	21.39	22.13	21.91	22.65	23.21	21.39	22.13	21.91	22.65	23.21
	8H	21.41	22.10	21.94	22.62	23.19	21.41	22.10	21.94	22.62	23.19
	12H	21.44	22.05	21.99	22.61	23.17	21.44	22.05	21.99	22.61	23.17
8H	4H	21.29	21.99	21.82	22.51	23.07	21.29	21.99	21.82	22.51	23.07
	6H	21.41	21.97	21.97	22.54	23.11	21.41	21.97	21.97	22.54	23.11
	8H	21.46	21.96	22.04	22.54	23.13	21.46	21.96	22.04	22.54	23.13
	12H	21.53	21.97	22.11	22.53	23.19	21.53	21.97	22.11	22.53	23.19
12H	4H	21.27	21.89	21.82	22.44	23.01	21.27	21.89	21.82	22.44	23.01
	6H	21.38	21.89	21.97	22.47	23.05	21.38	21.89	21.97	22.47	23.05
	8H	21.47	21.90	22.05	22.47	23.13	21.47	21.90	22.05	22.47	23.13

END OF REPORT