

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: P1221213

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221213
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_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

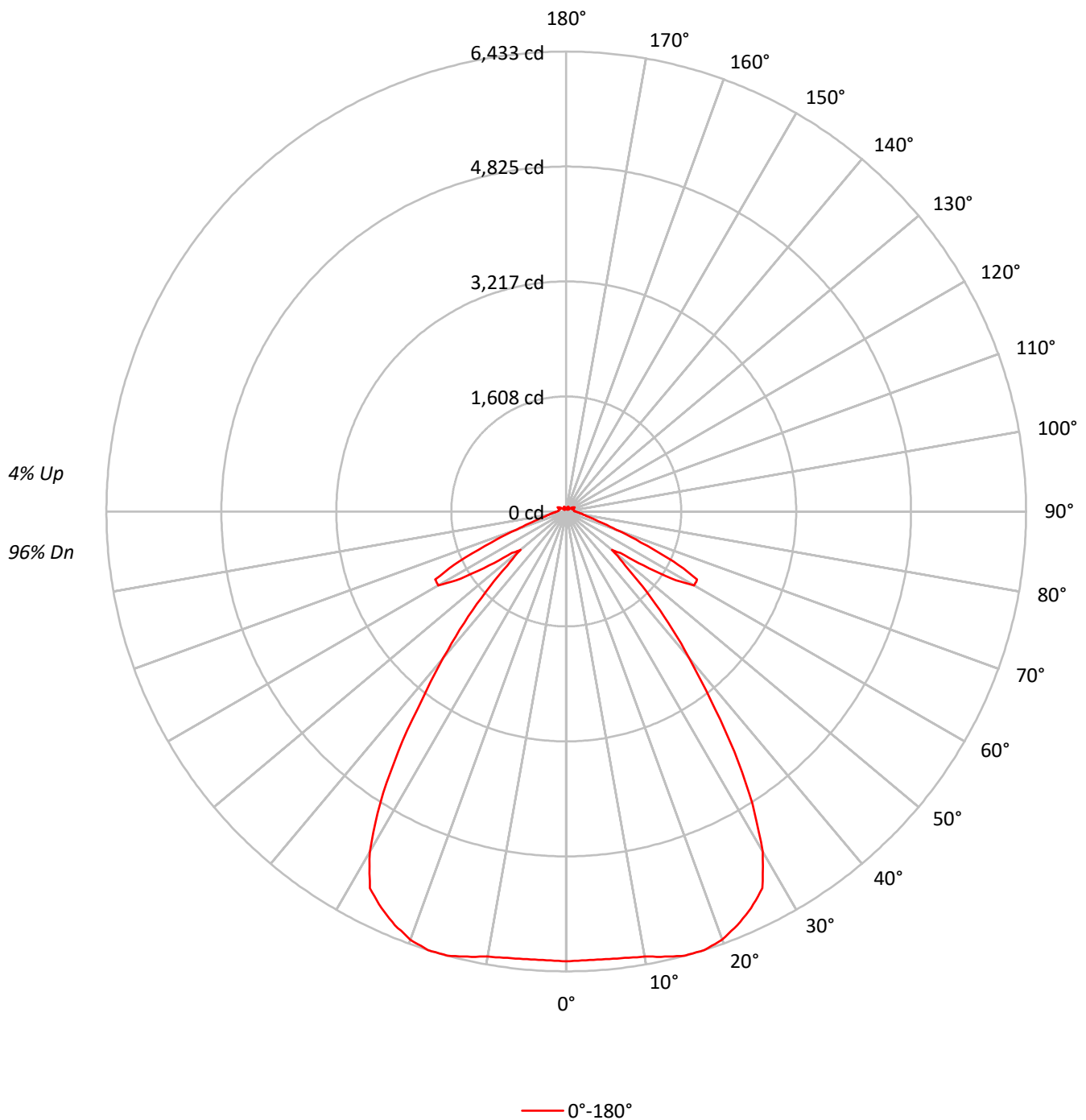
Lumens per Lamp: N/A
Luminaire Lumens: 12929.7 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 81.4
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

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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°	34400
5°	32959
10°	32061
15°	31828
20°	31020
25°	29542
30°	26501
35°	19900
40°	13146
45°	8005
50°	4331
55°	7102
60°	11717
65°	9960
70°	4777
75°	2578
80°	1840
85°	1501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 62.5°
Luminance: 12050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.3	4.7
10°-20°	1814.6	14.0
20°-30°	2796.9	21.6
30°-40°	2528.8	19.6
40°-50°	1253.4	9.7
50°-60°	1238.5	9.6
60°-70°	1542.6	11.9
70°-80°	432.7	3.3
80°-90°	190.3	1.5
90°-100°	121.5	0.9
100°-110°	107.5	0.8
110°-120°	117.7	0.9
120°-130°	73.5	0.6
130°-140°	29.0	0.2
140°-150°	31.0	0.2
150°-160°	31.3	0.2
160°-170°	15.7	0.1
170°-180°	3.4	0.0
0°-30°	5212.8	40.3
0°-40°	7741.6	59.9
0°-60°	10233.5	79.1
0°-90°	12399.0	95.9
90°-120°	346.8	2.7
90°-150°	480.4	3.7
90°-180°	531.0	4.1
0°-180°	12929.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6292	
5°	6288	601
15°	6432	1815
25°	6122	2797
35°	4101	2529
45°	1590	1253
55°	1316	1238
65°	1655	1543
75°	366	433
85°	171	153
90°	125	70
95°	108	89
105°	106	108
115°	132	118
125°	80	74
135°	35	29
145°	50	31
155°	69	31
165°	55	16
175°	32	3
180°	30	

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6292.4
2.5°	6282.7
5°	6287.6
7.5°	6298.9
10°	6321.5
12.5°	6379.0
15°	6431.5
17.5°	6433.1
20°	6372.5
22.5°	6261.7
25°	6121.8
27.5°	5943.1
30°	5497.6
32.5°	4845.1
35°	4101.2
37.5°	3299.8
40°	2670.8
42.5°	2113.6
45°	1590.5
47.5°	1120.7
50°	834.5
52.5°	953.3
55°	1315.6
57.5°	1749.8
60°	2066.8
62.5°	2065.9
65°	1655.2
67.5°	1131.2
70°	739.0
72.5°	506.2
75°	366.3
77.5°	283.0
80°	236.1
82.5°	200.5
85°	170.6
87.5°	146.4
90°	125.3
92.5°	114.8
95°	108.4
97.5°	105.9
100°	107.5
102.5°	108.4
105°	105.9
107.5°	93.8
110°	88.9

TEST NUMBER: P1221213

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.2
115°	131.8
117.5°	131.0
120°	117.2
122.5°	99.5
125°	80.1
127.5°	62.3
130°	49.3
132.5°	40.4
135°	34.8
137.5°	32.3
140°	34.0
142.5°	39.6
145°	50.1
147.5°	60.6
150°	66.3
152.5°	68.7
155°	68.7
157.5°	67.1
160°	64.7
162.5°	60.6
165°	55.0
167.5°	47.7
170°	41.2
172.5°	35.6
175°	32.3
177.5°	30.7
180°	29.9

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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	19.19	20.54	19.63	20.94	21.36	19.19	20.54	19.63	20.94	21.36
	3H	20.32	21.54	20.77	21.95	22.42	20.32	21.54	20.77	21.95	22.42
	4H	20.43	21.57	20.90	22.00	22.48	20.43	21.57	20.90	22.00	22.48
	6H	20.47	21.52	20.95	21.97	22.46	20.47	21.52	20.95	21.97	22.46
	8H	20.48	21.48	20.97	21.95	22.45	20.48	21.48	20.97	21.95	22.45
	12H	20.48	21.44	20.98	21.91	22.43	20.48	21.44	20.98	21.91	22.43
4H	2H	19.97	21.12	20.44	21.55	22.03	19.97	21.12	20.44	21.55	22.03
	3H	21.01	21.97	21.49	22.45	22.95	21.01	21.97	21.49	22.45	22.95
	4H	21.13	21.99	21.63	22.49	23.02	21.13	21.99	21.63	22.49	23.02
	6H	21.21	21.96	21.74	22.48	23.03	21.21	21.96	21.74	22.48	23.03
	8H	21.23	21.93	21.77	22.45	23.01	21.23	21.93	21.77	22.45	23.01
	12H	21.26	21.88	21.81	22.43	23.00	21.26	21.88	21.81	22.43	23.00
8H	4H	21.12	21.81	21.65	22.33	22.90	21.12	21.81	21.65	22.33	22.90
	6H	21.23	21.80	21.80	22.36	22.94	21.23	21.80	21.80	22.36	22.94
	8H	21.29	21.79	21.87	22.37	22.95	21.29	21.79	21.87	22.37	22.95
	12H	21.36	21.79	21.94	22.36	23.02	21.36	21.79	21.94	22.36	23.02
12H	4H	21.09	21.71	21.64	22.26	22.83	21.09	21.71	21.64	22.26	22.83
	6H	21.21	21.71	21.79	22.29	22.88	21.21	21.71	21.79	22.29	22.88
	8H	21.29	21.73	21.87	22.29	22.95	21.29	21.73	21.87	22.29	22.95

END OF REPORT