

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: P1221267

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221267
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

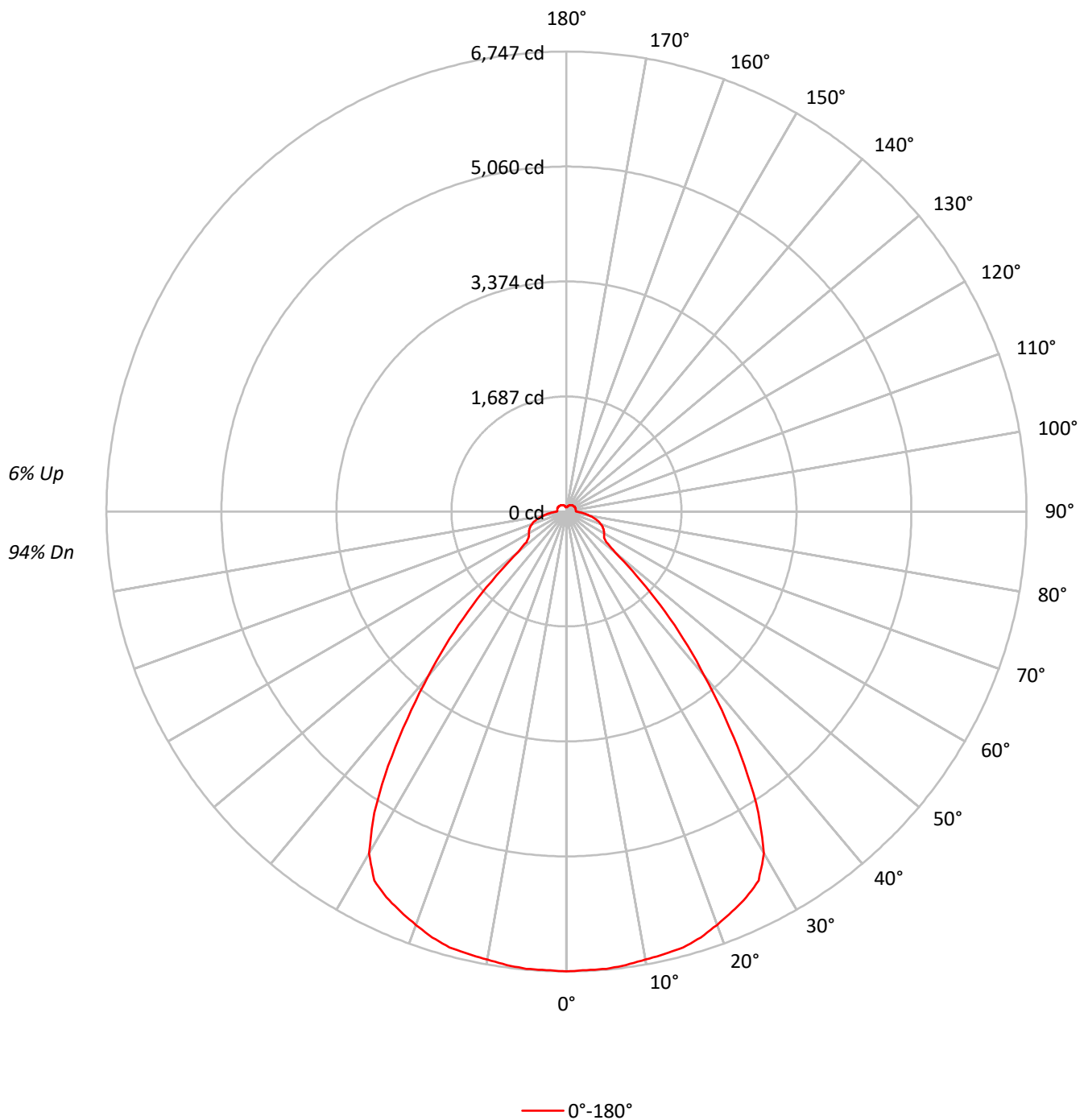
Lumens per Lamp: N/A
Luminaire Lumens: 12433.3 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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		114	114	114	114		108	108	108		102	102	102		96	96	96
1	109	105	102	98		106	102	99	96		97	94	92		92	90	88		88	86	84
2	101	95	89	84		98	92	87	83		88	84	80		84	80	77		80	77	75
3	94	86	79	74		91	84	78	73		80	75	71		76	72	69		73	70	67
4	88	78	71	65		85	76	70	64		73	67	63		70	65	61		67	63	60
5	82	71	64	58		80	70	63	58		67	61	57		65	59	55		62	58	54
6	77	66	58	53		75	64	57	52		62	56	51		60	54	50		58	53	49
7	72	60	53	48		70	59	52	47		57	51	47		55	50	46		54	49	45
8	68	56	49	44		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	40		50	43	39		48	43	39		47	42	38
10	60	48	41	37		59	48	41	37		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	36885
5°	35302
10°	33848
15°	32760
20°	31426
25°	30146
30°	27916
35°	22115
40°	15495
45°	9805
50°	4802
55°	3657
60°	3605
65°	3595
70°	3464
75°	3146
80°	2626
85°	1999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9805 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.8	5.2
10°-20°	1867.0	15.0
20°-30°	2864.8	23.0
30°-40°	2810.1	22.6
40°-50°	1508.4	12.1
50°-60°	636.6	5.1
60°-70°	588.1	4.7
70°-80°	467.7	3.8
80°-90°	251.6	2.0
90°-100°	149.9	1.2
100°-110°	148.0	1.2
110°-120°	137.8	1.1
120°-130°	119.4	1.0
130°-140°	96.6	0.8
140°-150°	71.2	0.6
150°-160°	46.0	0.4
160°-170°	23.1	0.2
170°-180°	6.3	0.1
0°-30°	5372.6	43.2
0°-40°	8182.7	65.8
0°-60°	10327.7	83.1
0°-90°	11635.1	93.6
90°-120°	435.7	3.5
90°-150°	722.9	5.8
90°-180°	798.0	6.4
0°-180°	12433.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6747	
5°	6735	641
15°	6620	1867
25°	6247	2865
35°	4558	2810
45°	1948	1508
55°	677	637
65°	598	588
75°	447	468
85°	227	208
90°	143	82
95°	136	112
105°	140	148
115°	139	138
125°	133	119
135°	125	97
145°	113	71
155°	99	46
165°	81	23
175°	65	6
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6747.1
2.5°	6734.6
5°	6734.6
7.5°	6711.3
10°	6673.9
12.5°	6651.4
15°	6619.8
17.5°	6552.4
20°	6455.9
22.5°	6353.5
25°	6247.0
27.5°	6103.0
30°	5791.0
32.5°	5242.6
35°	4557.7
37.5°	3834.6
40°	3148.0
42.5°	2534.7
45°	1948.1
47.5°	1393.9
50°	925.4
52.5°	736.5
55°	677.4
57.5°	653.2
60°	635.8
62.5°	619.1
65°	597.5
67.5°	570.0
70°	535.9
72.5°	495.1
75°	446.9
77.5°	392.8
80°	337.0
82.5°	281.3
85°	227.2
87.5°	174.8
90°	143.1
92.5°	134.8
95°	136.5
97.5°	137.3
100°	139.0
102.5°	139.8
105°	139.8
107.5°	140.6
110°	139.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.8
115°	139.0
117.5°	138.1
120°	136.5
122.5°	134.8
125°	133.1
127.5°	131.5
130°	129.0
132.5°	127.3
135°	124.8
137.5°	122.3
140°	119.0
142.5°	116.5
145°	113.2
147.5°	109.8
150°	106.5
152.5°	103.2
155°	99.0
157.5°	94.9
160°	90.7
162.5°	85.7
165°	80.7
167.5°	74.9
170°	69.1
172.5°	64.1
175°	64.9
177.5°	64.9
180°	64.1

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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	12.42	13.62	12.89	14.07	14.54	12.42	13.62	12.89	14.07	14.54
	3H	14.84	15.91	15.33	16.37	16.90	14.84	15.91	15.33	16.37	16.90
	4H	15.80	16.81	16.31	17.29	17.83	15.80	16.81	16.31	17.29	17.83
	6H	16.55	17.48	17.07	17.97	18.52	16.55	17.48	17.07	17.97	18.52
	8H	16.82	17.70	17.35	18.21	18.77	16.82	17.70	17.35	18.21	18.77
	12H	17.02	17.87	17.56	18.37	18.96	17.02	17.87	17.56	18.37	18.96
4H	2H	13.11	14.12	13.63	14.60	15.14	13.11	14.12	13.63	14.60	15.14
	3H	15.70	16.54	16.22	17.07	17.62	15.70	16.54	16.22	17.07	17.62
	4H	16.78	17.54	17.32	18.07	18.67	16.78	17.54	17.32	18.07	18.67
	6H	17.65	18.31	18.21	18.87	19.48	17.65	18.31	18.21	18.87	19.48
	8H	17.97	18.59	18.54	19.15	19.76	17.97	18.59	18.54	19.15	19.76
	12H	18.23	18.78	18.82	19.37	19.99	18.23	18.78	18.82	19.37	19.99
8H	4H	17.10	17.72	17.68	18.28	18.90	17.10	17.72	17.68	18.28	18.90
	6H	18.11	18.62	18.71	19.23	19.85	18.11	18.62	18.71	19.23	19.85
	8H	18.52	18.98	19.14	19.60	20.23	18.52	18.98	19.14	19.60	20.23
	12H	18.88	19.29	19.50	19.89	20.60	18.88	19.29	19.50	19.89	20.60
12H	4H	17.13	17.68	17.72	18.28	18.90	17.13	17.68	17.72	18.28	18.90
	6H	18.17	18.63	18.79	19.25	19.89	18.17	18.63	18.79	19.25	19.89
	8H	18.64	19.05	19.26	19.65	20.36	18.64	19.05	19.26	19.65	20.36