

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: P1221257

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221257
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-19)
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 (3000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

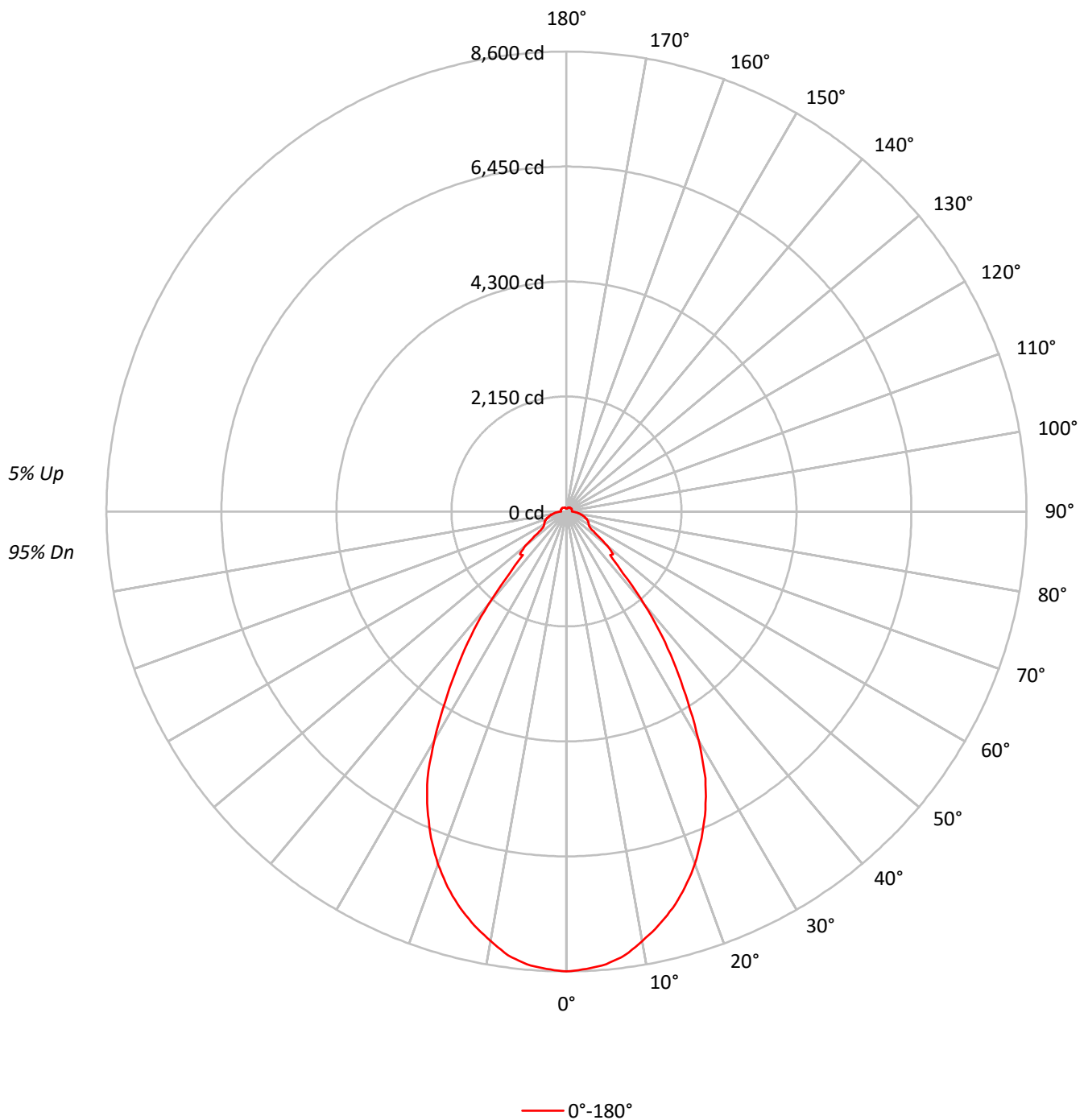
Lumens per Lamp: N/A
Luminaire Lumens: 11166.2 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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		97	97	97
1	110	106	103	100		107	103	100	98		98	96	94		94	92	90		89	88	86
2	103	96	91	87		100	94	89	85		90	86	83		86	83	80		82	80	77
3	96	88	82	77		93	86	80	76		82	78	74		79	75	72		76	73	70
4	90	81	74	69		88	79	73	68		76	71	66		73	69	65		71	67	64
5	85	74	67	62		82	73	66	61		70	65	60		68	63	59		66	62	58
6	79	69	62	57		77	68	61	56		66	60	55		63	58	54		62	57	54
7	75	64	57	52		73	63	56	52		61	55	51		59	54	50		58	53	50
8	71	60	53	48		69	59	52	48		57	51	47		56	50	46		54	49	46
9	67	56	49	44		65	55	49	44		54	48	44		52	47	43		51	46	43
10	63	52	46	41		62	52	45	41		50	45	41		49	44	40		48	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47015
5°	44572
10°	41387
15°	37994
20°	34165
25°	29670
30°	23800
35°	17279
40°	11200
45°	5812
50°	5174
55°	2925
60°	2723
65°	2690
70°	2556
75°	2317
80°	1997
85°	1566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 6043 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.8	7.2
10°-20°	2150.4	19.3
20°-30°	2791.8	25.0
30°-40°	2217.3	19.9
40°-50°	1061.5	9.5
50°-60°	550.5	4.9
60°-70°	439.6	3.9
70°-80°	346.5	3.1
80°-90°	193.8	1.7
90°-100°	112.6	1.0
100°-110°	112.9	1.0
110°-120°	105.6	0.9
120°-130°	91.9	0.8
130°-140°	74.6	0.7
140°-150°	55.7	0.5
150°-160°	36.6	0.3
160°-170°	18.8	0.2
170°-180°	5.2	0.0
0°-30°	5743.1	51.4
0°-40°	7960.4	71.3
0°-60°	9572.4	85.7
0°-90°	10552.3	94.5
90°-120°	331.1	3.0
90°-150°	553.3	5.0
90°-180°	614.0	5.5
0°-180°	11166.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8600	
5°	8503	801
15°	7678	2150
25°	6148	2792
35°	3561	2217
45°	1155	1062
55°	542	550
65°	447	440
75°	329	347
85°	178	161
90°	100	60
95°	104	85
105°	107	113
115°	107	106
125°	103	92
135°	96	75
145°	88	56
155°	79	37
165°	66	19
175°	54	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8600.1
2.5°	8565.4
5°	8503.1
7.5°	8370.5
10°	8160.3
12.5°	7935.5
15°	7677.5
17.5°	7373.5
20°	7018.5
22.5°	6610.2
25°	6148.5
27.5°	5627.8
30°	4937.2
32.5°	4220.8
35°	3561.0
37.5°	2935.2
40°	2275.4
42.5°	1567.0
45°	1154.7
47.5°	1183.8
50°	997.0
52.5°	691.3
55°	541.8
57.5°	500.5
60°	480.3
62.5°	465.7
65°	447.1
67.5°	422.9
70°	395.4
72.5°	363.9
75°	329.1
77.5°	293.5
80°	256.3
82.5°	218.3
85°	177.9
87.5°	136.7
90°	100.3
92.5°	101.9
95°	103.5
97.5°	104.3
100°	105.9
102.5°	106.7
105°	106.7
107.5°	106.7
110°	107.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.7
115°	106.7
117.5°	105.9
120°	105.1
122.5°	103.5
125°	102.7
127.5°	101.1
130°	99.5
132.5°	97.8
135°	96.2
137.5°	94.6
140°	93.0
142.5°	90.6
145°	88.1
147.5°	86.5
150°	84.1
152.5°	81.7
155°	79.2
157.5°	76.0
160°	72.8
162.5°	69.5
165°	65.5
167.5°	61.5
170°	57.4
172.5°	53.4
175°	54.2
177.5°	54.2
180°	54.2

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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	11.05	12.20	11.51	12.63	13.09	11.05	12.20	11.51	12.63	13.09
	3H	13.34	14.37	13.82	14.82	15.32	13.34	14.37	13.82	14.82	15.32
	4H	14.26	15.23	14.76	15.69	16.21	14.26	15.23	14.76	15.69	16.21
	6H	15.01	15.90	15.52	16.38	16.91	15.01	15.90	15.52	16.38	16.91
	8H	15.30	16.14	15.82	16.64	17.18	15.30	16.14	15.82	16.64	17.18
	12H	15.52	16.32	16.05	16.82	17.38	15.52	16.32	16.05	16.82	17.38
4H	2H	11.70	12.66	12.20	13.13	13.64	11.70	12.66	12.20	13.13	13.64
	3H	14.16	14.97	14.67	15.48	16.01	14.16	14.97	14.67	15.48	16.01
	4H	15.20	15.93	15.73	16.45	17.02	15.20	15.93	15.73	16.45	17.02
	6H	16.08	16.71	16.64	17.26	17.85	16.08	16.71	16.64	17.26	17.85
	8H	16.43	17.01	16.99	17.56	18.16	16.43	17.01	16.99	17.56	18.16
	12H	16.71	17.23	17.29	17.81	18.41	16.71	17.23	17.29	17.81	18.41
8H	4H	15.52	16.11	16.08	16.65	17.25	15.52	16.11	16.08	16.65	17.25
	6H	16.54	17.02	17.13	17.62	18.22	16.54	17.02	17.13	17.62	18.22
	8H	16.98	17.41	17.59	18.02	18.64	16.98	17.41	17.59	18.02	18.64
	12H	17.37	17.75	17.98	18.34	19.04	17.37	17.75	17.98	18.34	19.04
12H	4H	15.55	16.07	16.12	16.65	17.25	15.55	16.07	16.12	16.65	17.25
	6H	16.61	17.04	17.22	17.65	18.27	16.61	17.04	17.22	17.65	18.27
	8H	17.11	17.49	17.72	18.08	18.77	17.11	17.49	17.72	18.08	18.77