

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: P1221266

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3500K_L12_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221266
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

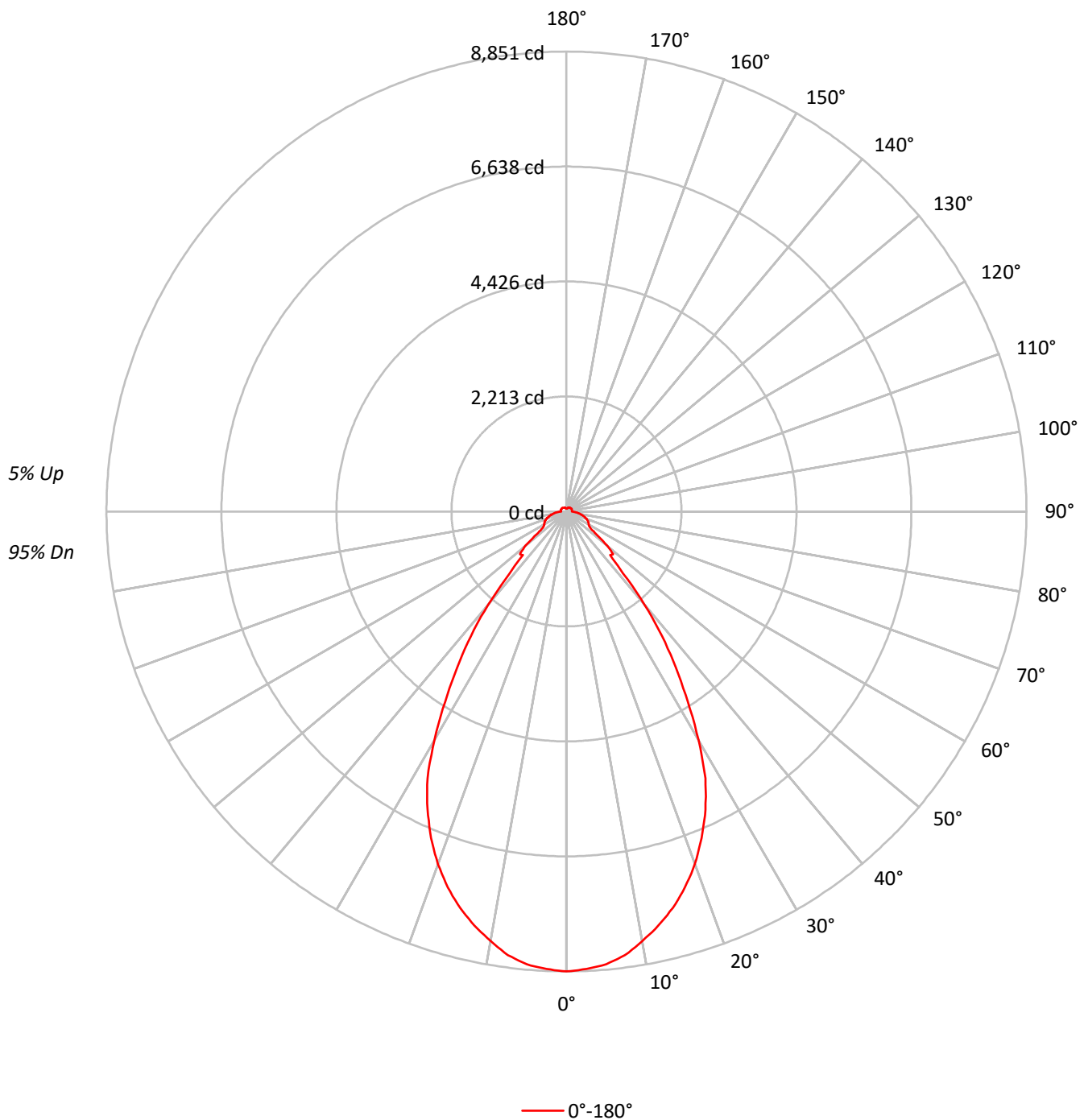
Lumens per Lamp: N/A
Luminaire Lumens: 11491.6 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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°	48386
5°	45872
10°	42593
15°	39102
20°	35161
25°	30535
30°	24494
35°	17783
40°	11526
45°	5981
50°	5324
55°	3009
60°	2802
65°	2769
70°	2630
75°	2384
80°	2056
85°	1611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 47.5°
Luminance: 6220 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.2	7.2
10°-20°	2213.1	19.3
20°-30°	2873.2	25.0
30°-40°	2282.0	19.9
40°-50°	1092.4	9.5
50°-60°	566.5	4.9
60°-70°	452.4	3.9
70°-80°	356.7	3.1
80°-90°	199.4	1.7
90°-100°	115.9	1.0
100°-110°	116.2	1.0
110°-120°	108.7	0.9
120°-130°	94.6	0.8
130°-140°	76.8	0.7
140°-150°	57.3	0.5
150°-160°	37.7	0.3
160°-170°	19.3	0.2
170°-180°	5.4	0.0
0°-30°	5910.5	51.4
0°-40°	8192.4	71.3
0°-60°	9851.4	85.7
0°-90°	10859.9	94.5
90°-120°	340.7	3.0
90°-150°	569.4	5.0
90°-180°	632.0	5.5
0°-180°	11491.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8851	
5°	8751	824
15°	7901	2213
25°	6328	2873
35°	3665	2282
45°	1188	1092
55°	558	567
65°	460	452
75°	339	357
85°	183	166
90°	103	62
95°	106	87
105°	110	116
115°	110	109
125°	106	95
135°	99	77
145°	91	57
155°	82	38
165°	67	19
175°	56	5
180°	56	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8850.8
2.5°	8815.0
5°	8751.0
7.5°	8614.5
10°	8398.1
12.5°	8166.8
15°	7901.3
17.5°	7588.4
20°	7223.1
22.5°	6802.9
25°	6327.7
27.5°	5791.8
30°	5081.1
32.5°	4343.9
35°	3664.8
37.5°	3020.7
40°	2341.7
42.5°	1612.7
45°	1188.3
47.5°	1218.3
50°	1026.0
52.5°	711.5
55°	557.5
57.5°	515.1
60°	494.3
62.5°	479.3
65°	460.2
67.5°	435.2
70°	406.9
72.5°	374.5
75°	338.7
77.5°	302.1
80°	263.8
82.5°	224.7
85°	183.1
87.5°	140.6
90°	103.2
92.5°	104.9
95°	106.5
97.5°	107.3
100°	109.0
102.5°	109.8
105°	109.8
107.5°	109.8
110°	110.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.8
115°	109.8
117.5°	109.0
120°	108.2
122.5°	106.5
125°	105.7
127.5°	104.0
130°	102.4
132.5°	100.7
135°	99.0
137.5°	97.4
140°	95.7
142.5°	93.2
145°	90.7
147.5°	89.0
150°	86.5
152.5°	84.0
155°	81.6
157.5°	78.2
160°	74.9
162.5°	71.6
165°	67.4
167.5°	63.2
170°	59.1
172.5°	54.9
175°	55.8
177.5°	55.8
180°	55.8

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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	11.15	12.30	11.61	12.73	13.19	11.15	12.30	11.61	12.73	13.19
	3H	13.44	14.47	13.92	14.92	15.42	13.44	14.47	13.92	14.92	15.42
	4H	14.36	15.33	14.86	15.79	16.31	14.36	15.33	14.86	15.79	16.31
	6H	15.11	16.00	15.62	16.48	17.01	15.11	16.00	15.62	16.48	17.01
	8H	15.40	16.24	15.92	16.74	17.28	15.40	16.24	15.92	16.74	17.28
	12H	15.62	16.42	16.15	16.92	17.48	15.62	16.42	16.15	16.92	17.48
4H	2H	11.80	12.76	12.30	13.23	13.74	11.80	12.76	12.30	13.23	13.74
	3H	14.26	15.07	14.77	15.58	16.11	14.26	15.07	14.77	15.58	16.11
	4H	15.30	16.03	15.83	16.55	17.12	15.30	16.03	15.83	16.55	17.12
	6H	16.18	16.81	16.74	17.36	17.95	16.18	16.81	16.74	17.36	17.95
	8H	16.53	17.11	17.09	17.66	18.26	16.53	17.11	17.09	17.66	18.26
	12H	16.81	17.33	17.39	17.91	18.51	16.81	17.33	17.39	17.91	18.51
8H	4H	15.62	16.21	16.18	16.75	17.35	15.62	16.21	16.18	16.75	17.35
	6H	16.64	17.12	17.23	17.72	18.32	16.64	17.12	17.23	17.72	18.32
	8H	17.08	17.51	17.69	18.12	18.74	17.08	17.51	17.69	18.12	18.74
	12H	17.47	17.85	18.08	18.44	19.14	17.47	17.85	18.08	18.44	19.14
12H	4H	15.65	16.17	16.22	16.75	17.35	15.65	16.17	16.22	16.75	17.35
	6H	16.71	17.14	17.32	17.75	18.37	16.71	17.14	17.32	17.75	18.37
	8H	17.21	17.59	17.82	18.18	18.87	17.21	17.59	17.82	18.18	18.87