

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: P1221330

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221330
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

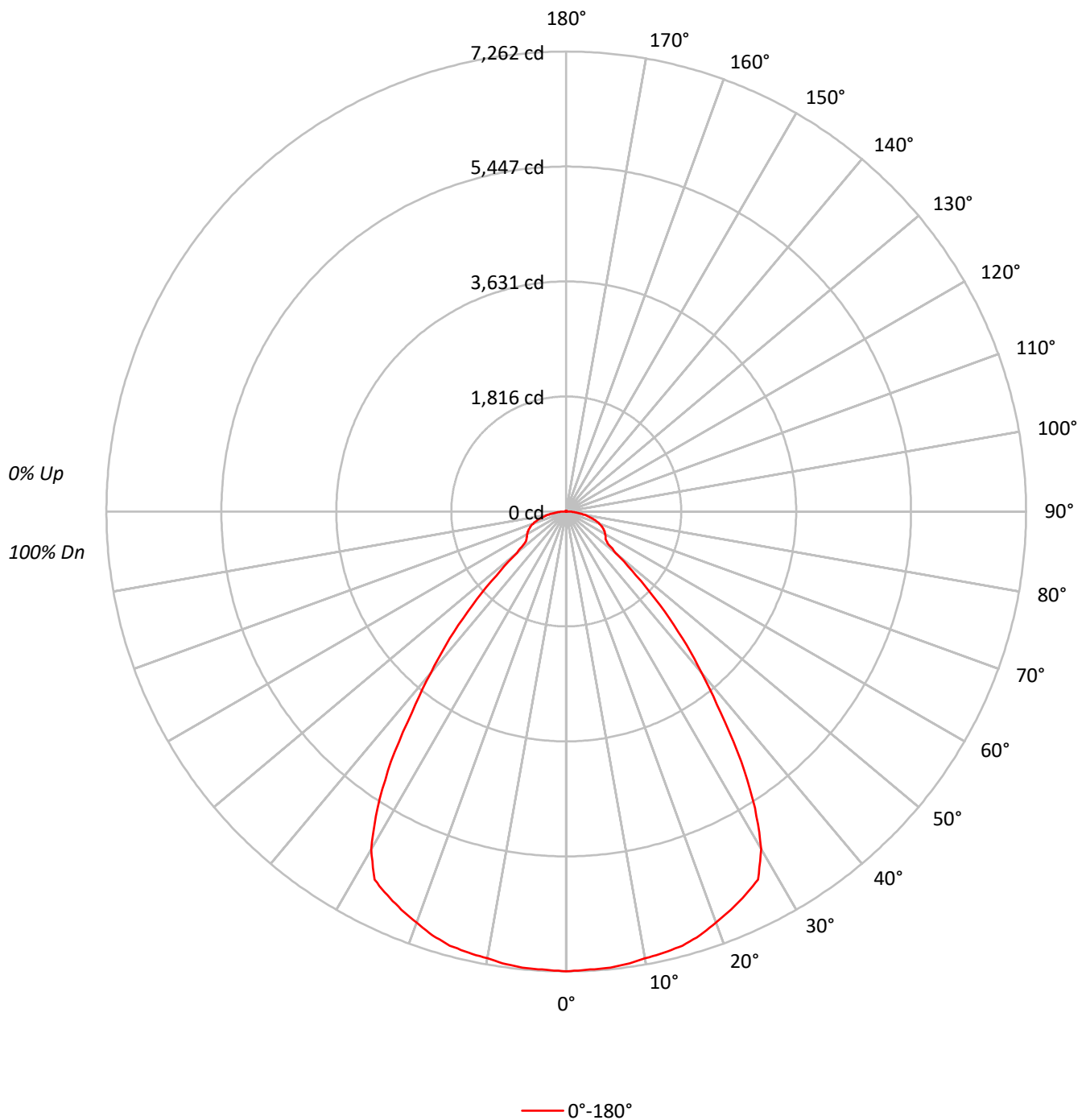
Lumens per Lamp: N/A
Luminaire Lumens: 12302.5 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.4
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	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101		108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	97	91	87		101	95	90	86		92	87	84		88	85	82		85	83	80
3	96	88	81	76		94	86	80	75		83	78	74		81	76	73		78	75	72
4	90	80	73	67		88	79	72	67		76	71	66		74	69	65		72	68	64
5	84	73	66	60		82	72	65	60		70	64	60		68	63	59		67	62	58
6	79	67	60	55		77	67	60	54		65	59	54		63	58	54		62	57	53
7	74	62	55	50		72	62	54	49		60	54	49		59	53	49		58	52	49
8	69	58	50	45		68	57	50	45		56	50	45		55	49	45		54	48	45
9	65	54	47	42		64	53	46	42		52	46	41		51	45	41		50	45	41
10	62	50	43	39		61	50	43	38		49	43	38		48	42	38		47	42	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39698
5°	37957
10°	36344
15°	35125
20°	33645
25°	32265
30°	29688
35°	23402
40°	16382
45°	10560
50°	5254
55°	4110
60°	4026
65°	3889
70°	3575
75°	2992
80°	2155
85°	1134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.7	5.6
10°-20°	2001.2	16.3
20°-30°	3067.1	24.9
30°-40°	2966.3	24.1
40°-50°	1617.8	13.2
50°-60°	711.2	5.8
60°-70°	635.3	5.2
70°-80°	444.8	3.6
80°-90°	144.2	1.2
90°-100°	1.9	0.0
100°-110°	1.8	0.0
110°-120°	2.2	0.0
120°-130°	2.9	0.0
130°-140°	4.0	0.0
140°-150°	5.4	0.0
150°-160°	4.3	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	5757.0	46.8
0°-40°	8723.3	70.9
0°-60°	11052.3	89.8
0°-90°	12276.7	99.8
90°-120°	5.9	0.0
90°-150°	18.2	0.1
90°-180°	26.0	0.2
0°-180°	12302.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7262	
5°	7241	689
15°	7098	2001
25°	6686	3067
35°	4823	2966
45°	2098	1618
55°	761	711
65°	646	635
75°	425	445
85°	129	136
90°	2	9
95°	2	1
105°	2	2
115°	3	2
125°	3	3
135°	5	4
145°	8	5
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7261.6
2.5°	7244.5
5°	7241.1
7.5°	7212.1
10°	7166.0
12.5°	7136.1
15°	7097.7
17.5°	7017.4
20°	6911.6
22.5°	6804.0
25°	6686.2
27.5°	6555.6
30°	6158.7
32.5°	5547.5
35°	4822.8
37.5°	4002.5
40°	3328.2
42.5°	2719.6
45°	2098.1
47.5°	1497.2
50°	1012.4
52.5°	821.2
55°	761.4
57.5°	736.7
60°	710.2
62.5°	682.9
65°	646.2
67.5°	603.5
70°	553.1
72.5°	494.2
75°	425.1
77.5°	351.7
80°	276.6
82.5°	202.3
85°	128.9
87.5°	59.8
90°	1.7
92.5°	1.7
95°	1.7
97.5°	1.7
100°	1.7
102.5°	1.7
105°	1.7
107.5°	1.7
110°	1.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	2.6
117.5°	2.6
120°	2.6
122.5°	2.6
125°	3.4
127.5°	3.4
130°	4.3
132.5°	4.3
135°	5.1
137.5°	6.0
140°	6.8
142.5°	7.7
145°	8.5
147.5°	10.2
150°	10.2
152.5°	10.2
155°	8.5
157.5°	8.5
160°	8.5
162.5°	8.5
165°	8.5
167.5°	8.5
170°	9.4
172.5°	9.4
175°	9.4
177.5°	9.4
180°	9.4

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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	13.56	14.86	13.93	15.17	15.49	13.56	14.86	13.93	15.17	15.49
	3H	15.73	16.89	16.11	17.22	17.59	15.73	16.89	16.11	17.22	17.59
	4H	16.50	17.59	16.91	17.94	18.33	16.50	17.59	16.91	17.94	18.33
	6H	17.01	18.00	17.42	18.38	18.78	17.01	18.00	17.42	18.38	18.78
	8H	17.14	18.08	17.57	18.48	18.89	17.14	18.08	17.57	18.48	18.89
	12H	17.20	18.10	17.63	18.49	18.92	17.20	18.10	17.63	18.49	18.92
4H	2H	14.20	15.29	14.61	15.64	16.03	14.20	15.29	14.61	15.64	16.03
	3H	16.53	17.43	16.95	17.84	18.24	16.53	17.43	16.95	17.84	18.24
	4H	17.40	18.21	17.84	18.63	19.08	17.40	18.21	17.84	18.63	19.08
	6H	18.00	18.70	18.47	19.15	19.62	18.00	18.70	18.47	19.15	19.62
	8H	18.16	18.82	18.64	19.27	19.74	18.16	18.82	18.64	19.27	19.74
	12H	18.25	18.83	18.74	19.31	19.79	18.25	18.83	18.74	19.31	19.79
8H	4H	17.65	18.30	18.12	18.75	19.23	17.65	18.30	18.12	18.75	19.23
	6H	18.34	18.88	18.85	19.38	19.86	18.34	18.88	18.85	19.38	19.86
	8H	18.56	19.04	19.08	19.55	20.05	18.56	19.04	19.08	19.55	20.05
	12H	18.70	19.12	19.21	19.61	20.19	18.70	19.12	19.21	19.61	20.19
12H	4H	17.65	18.23	18.14	18.72	19.20	17.65	18.23	18.14	18.72	19.20
	6H	18.36	18.84	18.89	19.36	19.86	18.36	18.84	18.89	19.36	19.86
	8H	18.62	19.04	19.14	19.54	20.12	18.62	19.04	19.14	19.54	20.12