

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: P1221306

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221306
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

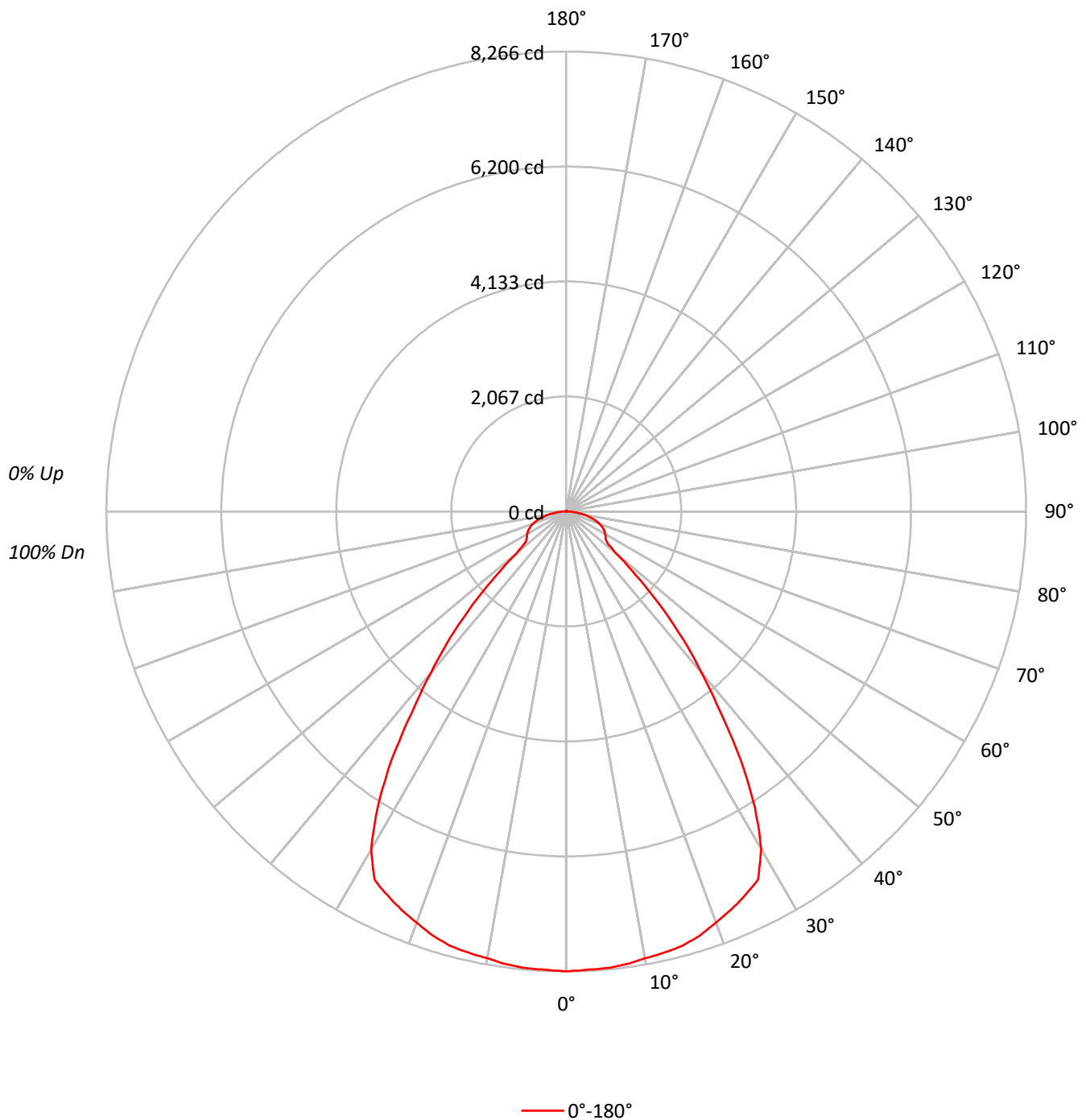
Lumens per Lamp: N/A
Luminaire Lumens: 14004.2 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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°	45189
5°	43207
10°	41371
15°	39984
20°	38299
25°	36729
30°	33795
35°	26639
40°	18648
45°	12021
50°	5980
55°	4679
60°	4583
65°	4426
70°	4069
75°	3406
80°	2453
85°	1291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12021 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.0	5.6
10°-20°	2278.1	16.3
20°-30°	3491.3	24.9
30°-40°	3376.6	24.1
40°-50°	1841.6	13.2
50°-60°	809.6	5.8
60°-70°	723.2	5.2
70°-80°	506.3	3.6
80°-90°	164.2	1.2
90°-100°	2.1	0.0
100°-110°	2.0	0.0
110°-120°	2.5	0.0
120°-130°	3.3	0.0
130°-140°	4.6	0.0
140°-150°	6.2	0.0
150°-160°	4.9	0.0
160°-170°	2.8	0.0
170°-180°	1.0	0.0
0°-30°	6553.4	46.8
0°-40°	9930.0	70.9
0°-60°	12581.2	89.8
0°-90°	13974.9	99.8
90°-120°	6.6	0.0
90°-150°	20.6	0.1
90°-180°	29.0	0.2
0°-180°	14004.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8266	
5°	8243	784
15°	8080	2278
25°	7611	3491
35°	5490	3377
45°	2388	1842
55°	867	810
65°	736	723
75°	484	506
85°	147	155
90°	2	10
95°	2	2
105°	2	2
115°	3	2
125°	4	3
135°	6	5
145°	10	6
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8266.1
2.5°	8246.6
5°	8242.7
7.5°	8209.7
10°	8157.2
12.5°	8123.2
15°	8079.5
17.5°	7988.2
20°	7867.7
22.5°	7745.2
25°	7611.2
27.5°	7462.5
30°	7010.7
32.5°	6314.9
35°	5490.0
37.5°	4556.2
40°	3788.6
42.5°	3095.8
45°	2388.4
47.5°	1704.3
50°	1152.4
52.5°	934.8
55°	866.7
57.5°	838.6
60°	808.4
62.5°	777.3
65°	735.6
67.5°	687.0
70°	629.6
72.5°	562.6
75°	483.9
77.5°	400.3
80°	314.8
82.5°	230.3
85°	146.7
87.5°	68.0
90°	1.9
92.5°	1.9
95°	1.9
97.5°	1.9
100°	1.9
102.5°	1.9
105°	1.9
107.5°	1.9
110°	1.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.9
115°	2.9
117.5°	2.9
120°	2.9
122.5°	2.9
125°	3.9
127.5°	3.9
130°	4.9
132.5°	4.9
135°	5.8
137.5°	6.8
140°	7.8
142.5°	8.7
145°	9.7
147.5°	11.7
150°	11.7
152.5°	11.7
155°	9.7
157.5°	9.7
160°	9.7
162.5°	9.7
165°	9.7
167.5°	9.7
170°	10.7
172.5°	10.7
175°	10.7
177.5°	10.7
180°	10.7

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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	14.01	15.31	14.38	15.62	15.94	14.01	15.31	14.38	15.62	15.94
	3H	16.18	17.34	16.56	17.67	18.04	16.18	17.34	16.56	17.67	18.04
	4H	16.96	18.04	17.36	18.39	18.78	16.96	18.04	17.36	18.39	18.78
	6H	17.46	18.45	17.87	18.83	19.23	17.46	18.45	17.87	18.83	19.23
	8H	17.59	18.53	18.02	18.93	19.34	17.59	18.53	18.02	18.93	19.34
	12H	17.65	18.55	18.08	18.94	19.37	17.65	18.55	18.08	18.94	19.37
4H	2H	14.65	15.74	15.06	16.09	16.48	14.65	15.74	15.06	16.09	16.48
	3H	16.98	17.88	17.40	18.29	18.69	16.98	17.88	17.40	18.29	18.69
	4H	17.85	18.66	18.29	19.08	19.53	17.85	18.66	18.29	19.08	19.53
	6H	18.45	19.15	18.92	19.60	20.07	18.45	19.15	18.92	19.60	20.07
	8H	18.61	19.27	19.09	19.72	20.19	18.61	19.27	19.09	19.72	20.19
	12H	18.70	19.28	19.19	19.76	20.24	18.70	19.28	19.19	19.76	20.24
8H	4H	18.10	18.75	18.57	19.20	19.68	18.10	18.75	18.57	19.20	19.68
	6H	18.79	19.33	19.30	19.83	20.31	18.79	19.33	19.30	19.83	20.31
	8H	19.01	19.49	19.53	20.00	20.50	19.01	19.49	19.53	20.00	20.50
	12H	19.15	19.57	19.66	20.06	20.64	19.15	19.57	19.66	20.06	20.64
12H	4H	18.10	18.68	18.59	19.17	19.65	18.10	18.68	18.59	19.17	19.65
	6H	18.81	19.29	19.34	19.81	20.31	18.81	19.29	19.34	19.81	20.31
	8H	19.07	19.49	19.59	19.99	20.57	19.07	19.49	19.59	19.99	20.57

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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