

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: P1221304

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221304
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
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_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

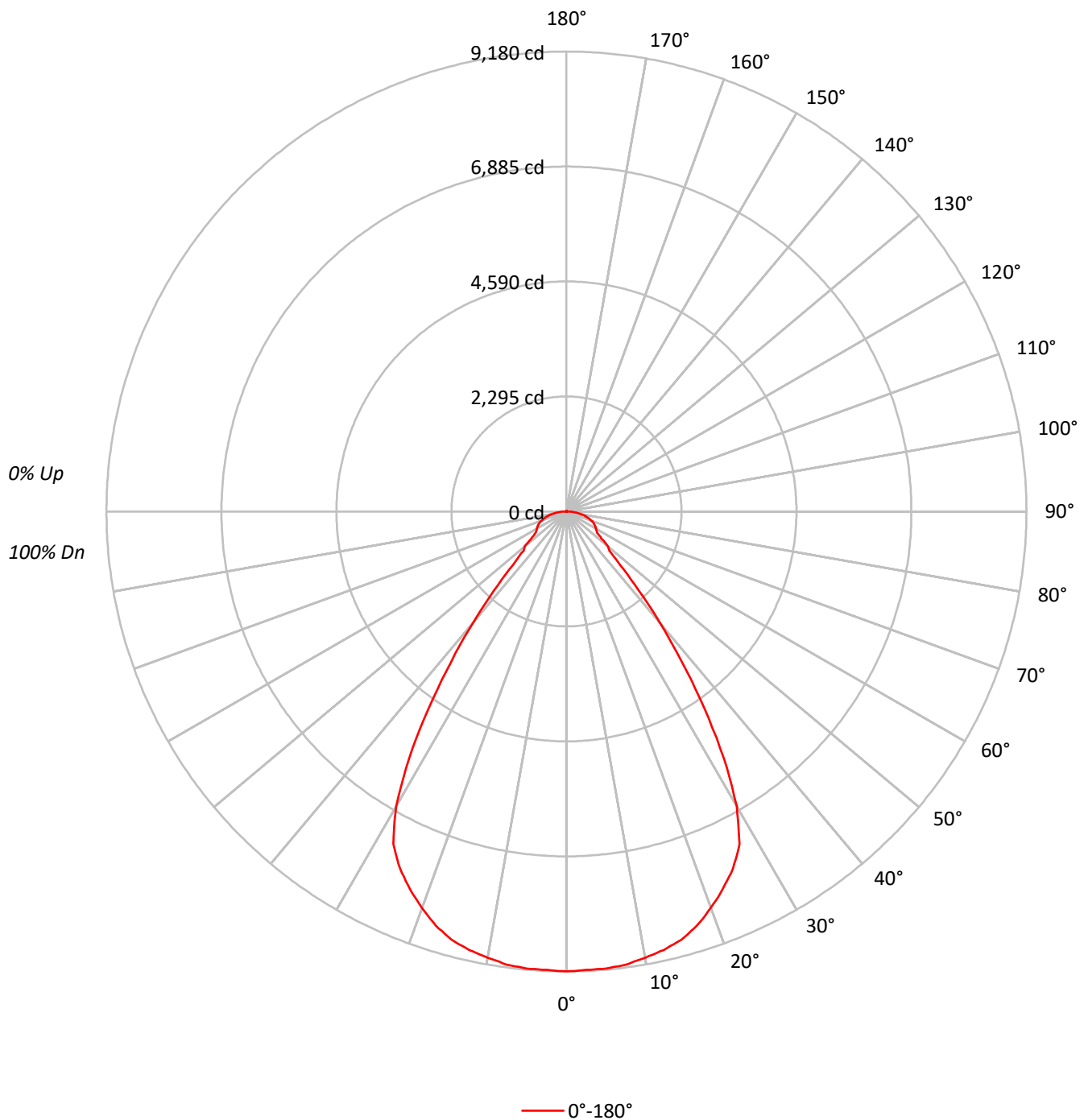
Lumens per Lamp: N/A
Luminaire Lumens: 13141.2 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

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	108	104	102	109	105	103	100	101	99	97	97	96	94	94	92	91
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	50188
5°	48000
10°	45871
15°	43802
20°	41014
25°	37948
30°	32751
35°	23240
40°	14296
45°	7580
50°	5622
55°	4065
60°	3856
65°	3707
70°	3398
75°	2920
80°	2196
85°	1189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7580 cd/sqm

TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.6	6.6
10°-20°	2487.0	18.9
20°-30°	3579.6	27.2
30°-40°	2977.2	22.7
40°-50°	1294.8	9.9
50°-60°	719.1	5.5
60°-70°	605.8	4.6
70°-80°	433.5	3.3
80°-90°	149.8	1.1
90°-100°	2.1	0.0
100°-110°	1.1	0.0
110°-120°	1.8	0.0
120°-130°	2.0	0.0
130°-140°	3.3	0.0
140°-150°	5.0	0.0
150°-160°	4.7	0.0
160°-170°	2.8	0.0
170°-180°	1.0	0.0
0°-30°	6937.1	52.8
0°-40°	9914.3	75.4
0°-60°	11928.3	90.8
0°-90°	13117.4	99.8
90°-120°	5.0	0.0
90°-150°	15.3	0.1
90°-180°	24.0	0.2
0°-180°	13141.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9180	
5°	9157	871
15°	8851	2487
25°	7864	3580
35°	4789	2977
45°	1506	1295
55°	753	719
65°	616	606
75°	415	434
85°	135	140
90°	9	11
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	10	3
175°	11	1
180°	11	

TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9180.4
2.5°	9161.0
5°	9157.1
7.5°	9121.1
10°	9044.4
12.5°	8964.7
15°	8851.0
17.5°	8667.4
20°	8425.4
22.5°	8157.2
25°	7863.8
27.5°	7481.0
30°	6794.0
32.5°	5848.5
35°	4789.4
37.5°	3780.8
40°	2904.3
42.5°	2129.9
45°	1506.1
47.5°	1160.2
50°	1083.4
52.5°	876.5
55°	753.1
57.5°	709.3
60°	680.2
62.5°	652.0
65°	616.0
67.5°	574.3
70°	525.7
72.5°	473.2
75°	414.9
77.5°	350.8
80°	281.8
82.5°	209.9
85°	135.1
87.5°	60.2
90°	8.7
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	1.0
110°	1.0

TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.9
115°	1.9
117.5°	1.9
120°	1.9
122.5°	1.9
125°	1.9
127.5°	2.9
130°	2.9
132.5°	3.9
135°	3.9
137.5°	4.9
140°	5.8
142.5°	6.8
145°	7.8
147.5°	9.7
150°	10.7
152.5°	10.7
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

TEST NUMBER: P1221304

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Medium_120V)

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	13.14	14.38	13.51	14.69	15.01	13.14	14.38	13.51	14.69	15.01
	3H	15.26	16.36	15.64	16.70	17.07	15.26	16.36	15.64	16.70	17.07
	4H	16.05	17.08	16.46	17.44	17.83	16.05	17.08	16.46	17.44	17.83
	6H	16.60	17.55	17.02	17.92	18.32	16.60	17.55	17.02	17.92	18.32
	8H	16.75	17.65	17.18	18.04	18.45	16.75	17.65	17.18	18.04	18.45
	12H	16.82	17.68	17.26	18.07	18.50	16.82	17.68	17.26	18.07	18.50
4H	2H	13.75	14.79	14.16	15.14	15.53	13.75	14.79	14.16	15.14	15.53
	3H	16.04	16.89	16.46	17.30	17.71	16.04	16.89	16.46	17.30	17.71
	4H	16.94	17.70	17.37	18.13	18.58	16.94	17.70	17.37	18.13	18.58
	6H	17.59	18.26	18.06	18.71	19.18	17.59	18.26	18.06	18.71	19.18
	8H	17.78	18.40	18.25	18.85	19.32	17.78	18.40	18.25	18.85	19.32
	12H	17.88	18.43	18.37	18.91	19.39	17.88	18.43	18.37	18.91	19.39
8H	4H	17.19	17.81	17.66	18.26	18.74	17.19	17.81	17.66	18.26	18.74
	6H	17.95	18.46	18.45	18.96	19.44	17.95	18.46	18.45	18.96	19.44
	8H	18.19	18.65	18.72	19.17	19.66	18.19	18.65	18.72	19.17	19.66
	12H	18.36	18.75	18.88	19.25	19.83	18.36	18.75	18.88	19.25	19.83
12H	4H	17.20	17.75	17.69	18.23	18.71	17.20	17.75	17.69	18.23	18.71
	6H	17.97	18.43	18.50	18.95	19.45	17.97	18.43	18.50	18.95	19.45
	8H	18.27	18.67	18.79	19.16	19.74	18.27	18.67	18.79	19.16	19.74

END OF REPORT