

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: P1221222

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221222
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

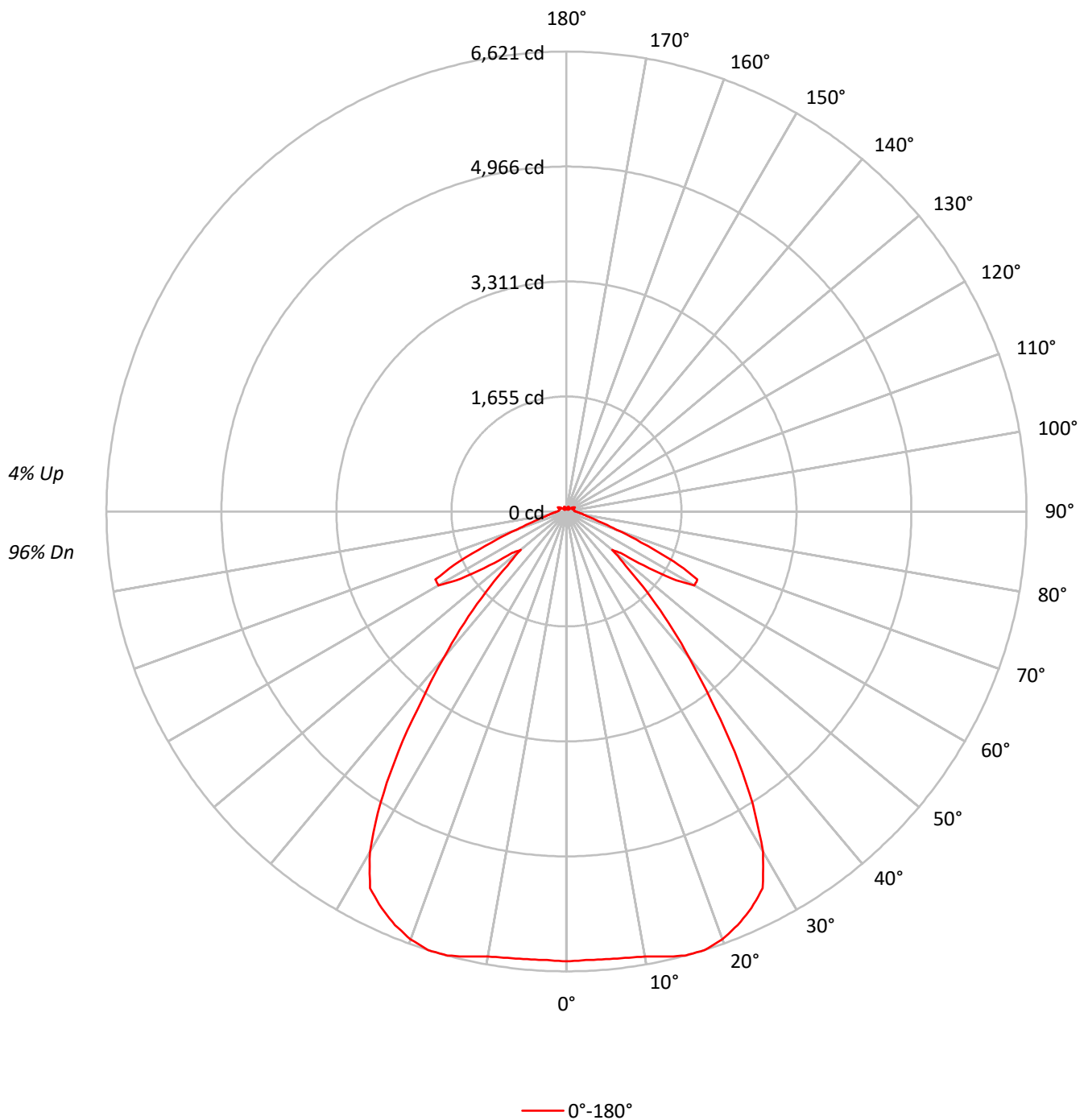
Lumens per Lamp: N/A
Luminaire Lumens: 13306.6 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_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	118	118	118	118		115	115	115	115		109	109	109		103	103	103		98	98	98
1	109	105	101	98		106	102	99	96		97	95	92		93	91	89		89	87	85
2	101	93	87	82		98	91	86	81		87	82	79		83	79	76		80	77	74
3	93	83	76	71		90	82	75	70		78	73	68		75	70	66		72	68	65
4	86	75	67	61		83	74	66	61		71	65	60		68	63	58		66	61	57
5	80	68	60	54		78	67	59	54		65	58	53		62	57	52		60	55	51
6	74	62	54	49		72	61	54	48		59	53	48		57	51	47		55	50	46
7	70	57	49	44		68	56	49	44		55	48	43		53	47	42		51	46	42
8	65	53	45	40		64	52	45	40		51	44	39		49	43	39		48	42	38
9	61	49	42	37		60	48	41	36		47	41	36		46	40	36		44	39	35
10	58	46	39	34		57	45	38	34		44	38	33		43	37	33		42	36	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35402
5°	33919
10°	32996
15°	32756
20°	31924
25°	30402
30°	27274
35°	20480
40°	13529
45°	8239
50°	4457
55°	7309
60°	12059
65°	10250
70°	4916
75°	2654
80°	1893
85°	1545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 62.5°
Luminance: 12401 cd/sqm

TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.8	4.7
10°-20°	1867.5	14.0
20°-30°	2878.4	21.6
30°-40°	2602.5	19.6
40°-50°	1290.0	9.7
50°-60°	1274.6	9.6
60°-70°	1587.5	11.9
70°-80°	445.3	3.3
80°-90°	195.9	1.5
90°-100°	125.1	0.9
100°-110°	110.7	0.8
110°-120°	121.1	0.9
120°-130°	75.7	0.6
130°-140°	29.9	0.2
140°-150°	32.0	0.2
150°-160°	32.2	0.2
160°-170°	16.1	0.1
170°-180°	3.5	0.0
0°-30°	5364.7	40.3
0°-40°	7967.2	59.9
0°-60°	10531.7	79.1
0°-90°	12760.4	95.9
90°-120°	356.9	2.7
90°-150°	494.4	3.7
90°-180°	546.0	4.1
0°-180°	13306.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6476	
5°	6471	619
15°	6619	1867
25°	6300	2878
35°	4221	2602
45°	1637	1290
55°	1354	1275
65°	1703	1588
75°	377	445
85°	176	158
90°	129	72
95°	112	91
105°	109	111
115°	136	121
125°	82	76
135°	36	30
145°	52	32
155°	71	32
165°	57	16
175°	33	3
180°	31	

TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6475.8
2.5°	6465.8
5°	6470.8
7.5°	6482.5
10°	6505.8
12.5°	6564.9
15°	6619.0
17.5°	6620.6
20°	6558.2
22.5°	6444.2
25°	6300.2
27.5°	6116.3
30°	5657.8
32.5°	4986.3
35°	4220.7
37.5°	3396.0
40°	2748.6
42.5°	2175.3
45°	1636.9
47.5°	1153.4
50°	858.8
52.5°	981.1
55°	1353.9
57.5°	1800.8
60°	2127.0
62.5°	2126.2
65°	1703.4
67.5°	1164.2
70°	760.6
72.5°	520.9
75°	377.0
77.5°	291.3
80°	243.0
82.5°	206.4
85°	175.6
87.5°	150.6
90°	129.0
92.5°	118.2
95°	111.5
97.5°	109.0
100°	110.7
102.5°	111.5
105°	109.0
107.5°	96.5
110°	91.5

TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.3
115°	135.6
117.5°	134.8
120°	120.7
122.5°	102.4
125°	82.4
127.5°	64.1
130°	50.8
132.5°	41.6
135°	35.8
137.5°	33.3
140°	35.0
142.5°	40.8
145°	51.6
147.5°	62.4
150°	68.2
152.5°	70.7
155°	70.7
157.5°	69.1
160°	66.6
162.5°	62.4
165°	56.6
167.5°	49.1
170°	42.4
172.5°	36.6
175°	33.3
177.5°	31.6
180°	30.8

TEST NUMBER: P1221222

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L12_Wide_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	19.29	20.64	19.73	21.04	21.46	19.29	20.64	19.73	21.04	21.46
	3H	20.42	21.64	20.87	22.05	22.52	20.42	21.64	20.87	22.05	22.52
	4H	20.53	21.67	21.00	22.10	22.58	20.53	21.67	21.00	22.10	22.58
	6H	20.57	21.62	21.05	22.07	22.56	20.57	21.62	21.05	22.07	22.56
	8H	20.58	21.58	21.07	22.05	22.55	20.58	21.58	21.07	22.05	22.55
	12H	20.58	21.54	21.08	22.01	22.53	20.58	21.54	21.08	22.01	22.53
4H	2H	20.07	21.22	20.54	21.65	22.13	20.07	21.22	20.54	21.65	22.13
	3H	21.11	22.07	21.59	22.55	23.05	21.11	22.07	21.59	22.55	23.05
	4H	21.23	22.09	21.73	22.59	23.12	21.23	22.09	21.73	22.59	23.12
	6H	21.31	22.06	21.84	22.58	23.13	21.31	22.06	21.84	22.58	23.13
	8H	21.33	22.03	21.87	22.55	23.11	21.33	22.03	21.87	22.55	23.11
	12H	21.36	21.98	21.91	22.53	23.10	21.36	21.98	21.91	22.53	23.10
8H	4H	21.22	21.91	21.75	22.43	23.00	21.22	21.91	21.75	22.43	23.00
	6H	21.33	21.90	21.90	22.46	23.04	21.33	21.90	21.90	22.46	23.04
	8H	21.39	21.89	21.97	22.47	23.05	21.39	21.89	21.97	22.47	23.05
	12H	21.46	21.89	22.04	22.46	23.12	21.46	21.89	22.04	22.46	23.12
12H	4H	21.19	21.81	21.74	22.36	22.93	21.19	21.81	21.74	22.36	22.93
	6H	21.31	21.81	21.89	22.39	22.98	21.31	21.81	21.89	22.39	22.98
	8H	21.39	21.83	21.97	22.39	23.05	21.39	21.83	21.97	22.39	23.05

END OF REPORT