

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: P1221337

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221337
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

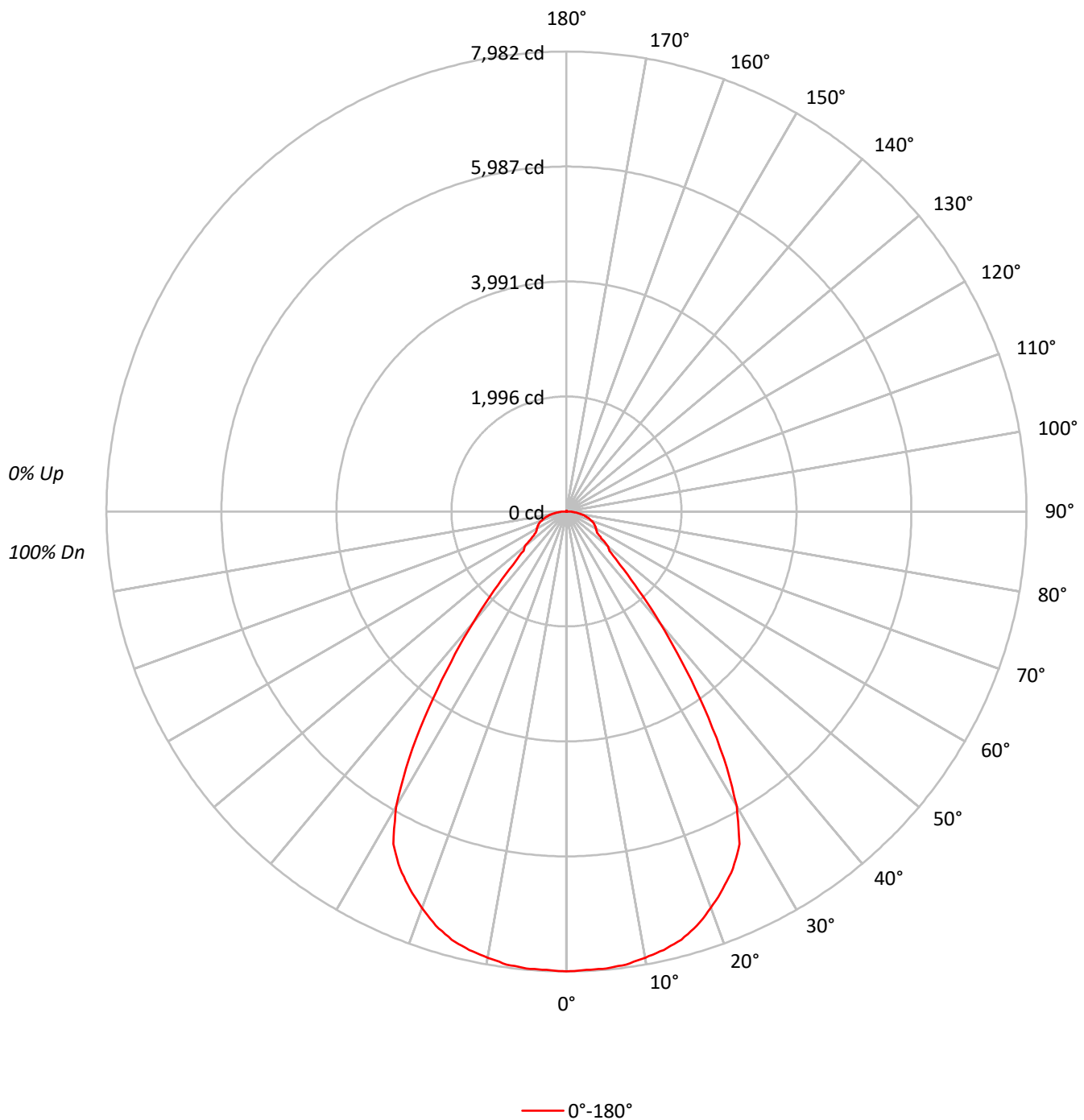
Lumens per Lamp: N/A
Luminaire Lumens: 11425.6 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 82.6
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: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	111	108	104	102	109	105	103	100	101	99	97		97	96	94		89
2	104	98	93	88	102	96	91	87	93	89	85		89	86	83		80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		72
4	91	82	75	70	89	81	74	69	78	73	68		76	71	67		65
5	86	75	68	63	84	74	68	63	72	66	62		71	65	61		59
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		54
7	76	65	57	52	74	64	57	52	62	56	52		61	56	52		50
8	71	60	53	48	70	60	53	48	58	52	48		57	52	48		46
9	67	56	49	45	66	56	49	45	55	49	44		54	48	44		42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43637
5°	41735
10°	39883
15°	38084
20°	35660
25°	32994
30°	28475
35°	20206
40°	12430
45°	6591
50°	4888
55°	3535
60°	3353
65°	3223
70°	2955
75°	2539
80°	1909
85°	1033

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6591 cd/sqm

TEST NUMBER: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	756.9	6.6
10°-20°	2162.4	18.9
20°-30°	3112.3	27.2
30°-40°	2588.6	22.7
40°-50°	1125.8	9.9
50°-60°	625.2	5.5
60°-70°	526.7	4.6
70°-80°	376.9	3.3
80°-90°	130.2	1.1
90°-100°	1.8	0.0
100°-110°	0.8	0.0
110°-120°	1.6	0.0
120°-130°	1.8	0.0
130°-140°	2.8	0.0
140°-150°	4.4	0.0
150°-160°	4.1	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	6031.6	52.8
0°-40°	8620.2	75.4
0°-60°	10371.2	90.8
0°-90°	11405.0	99.8
90°-120°	4.2	0.0
90°-150°	13.2	0.1
90°-180°	21.0	0.2
0°-180°	11425.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7982	
5°	7962	757
15°	7696	2162
25°	6837	3112
35°	4164	2589
45°	1310	1126
55°	655	625
65°	536	527
75°	361	377
85°	117	122
90°	8	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	3
145°	7	4
155°	8	4
165°	8	2
175°	9	1
180°	9	

TEST NUMBER: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7982.1
2.5°	7965.2
5°	7961.8
7.5°	7930.5
10°	7863.8
12.5°	7794.5
15°	7695.7
17.5°	7536.0
20°	7325.6
22.5°	7092.4
25°	6837.3
27.5°	6504.4
30°	5907.1
32.5°	5085.1
35°	4164.2
37.5°	3287.3
40°	2525.2
42.5°	1851.9
45°	1309.5
47.5°	1008.7
50°	942.0
52.5°	762.0
55°	654.8
57.5°	616.7
60°	591.4
62.5°	566.9
65°	535.6
67.5°	499.3
70°	457.1
72.5°	411.4
75°	360.7
77.5°	305.0
80°	245.0
82.5°	182.5
85°	117.4
87.5°	52.4
90°	7.6
92.5°	0.8
95°	0.8
97.5°	0.8
100°	0.8
102.5°	0.8
105°	0.8
107.5°	0.8
110°	0.8

TEST NUMBER: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.5
130°	2.5
132.5°	3.4
135°	3.4
137.5°	4.2
140°	5.1
142.5°	5.9
145°	6.8
147.5°	8.4
150°	9.3
152.5°	9.3
155°	8.4
157.5°	8.4
160°	8.4
162.5°	8.4
165°	8.4
167.5°	8.4
170°	9.3
172.5°	9.3
175°	9.3
177.5°	9.3
180°	9.3

TEST NUMBER: P1221337

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (6500K_L12_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	12.65	13.89	13.02	14.21	14.53	12.65	13.89	13.02	14.21	14.53
	3H	14.77	15.88	15.16	16.21	16.58	14.77	15.88	15.16	16.21	16.58
	4H	15.56	16.60	15.97	16.95	17.34	15.56	16.60	15.97	16.95	17.34
	6H	16.11	17.06	16.53	17.44	17.84	16.11	17.06	16.53	17.44	17.84
	8H	16.26	17.16	16.70	17.56	17.97	16.26	17.16	16.70	17.56	17.97
	12H	16.34	17.20	16.77	17.58	18.02	16.34	17.20	16.77	17.58	18.02
4H	2H	13.27	14.30	13.68	14.66	15.05	13.27	14.30	13.68	14.66	15.05
	3H	15.55	16.41	15.97	16.82	17.23	15.55	16.41	15.97	16.82	17.23
	4H	16.45	17.22	16.89	17.64	18.09	16.45	17.22	16.89	17.64	18.09
	6H	17.10	17.77	17.57	18.22	18.69	17.10	17.77	17.57	18.22	18.69
	8H	17.29	17.91	17.76	18.36	18.84	17.29	17.91	17.76	18.36	18.84
	12H	17.39	17.94	17.88	18.43	18.91	17.39	17.94	17.88	18.43	18.91
8H	4H	16.70	17.33	17.18	17.78	18.25	16.70	17.33	17.18	17.78	18.25
	6H	17.46	17.97	17.97	18.47	18.96	17.46	17.97	17.97	18.47	18.96
	8H	17.71	18.16	18.23	18.68	19.18	17.71	18.16	18.23	18.68	19.18
	12H	17.87	18.27	18.39	18.77	19.34	17.87	18.27	18.39	18.77	19.34
12H	4H	16.71	17.26	17.20	17.75	18.23	16.71	17.26	17.20	17.75	18.23
	6H	17.49	17.94	18.01	18.46	18.96	17.49	17.94	18.01	18.46	18.96
	8H	17.78	18.18	18.30	18.68	19.25	17.78	18.18	18.30	18.68	19.25

END OF REPORT