

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: P1221301

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221301
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_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

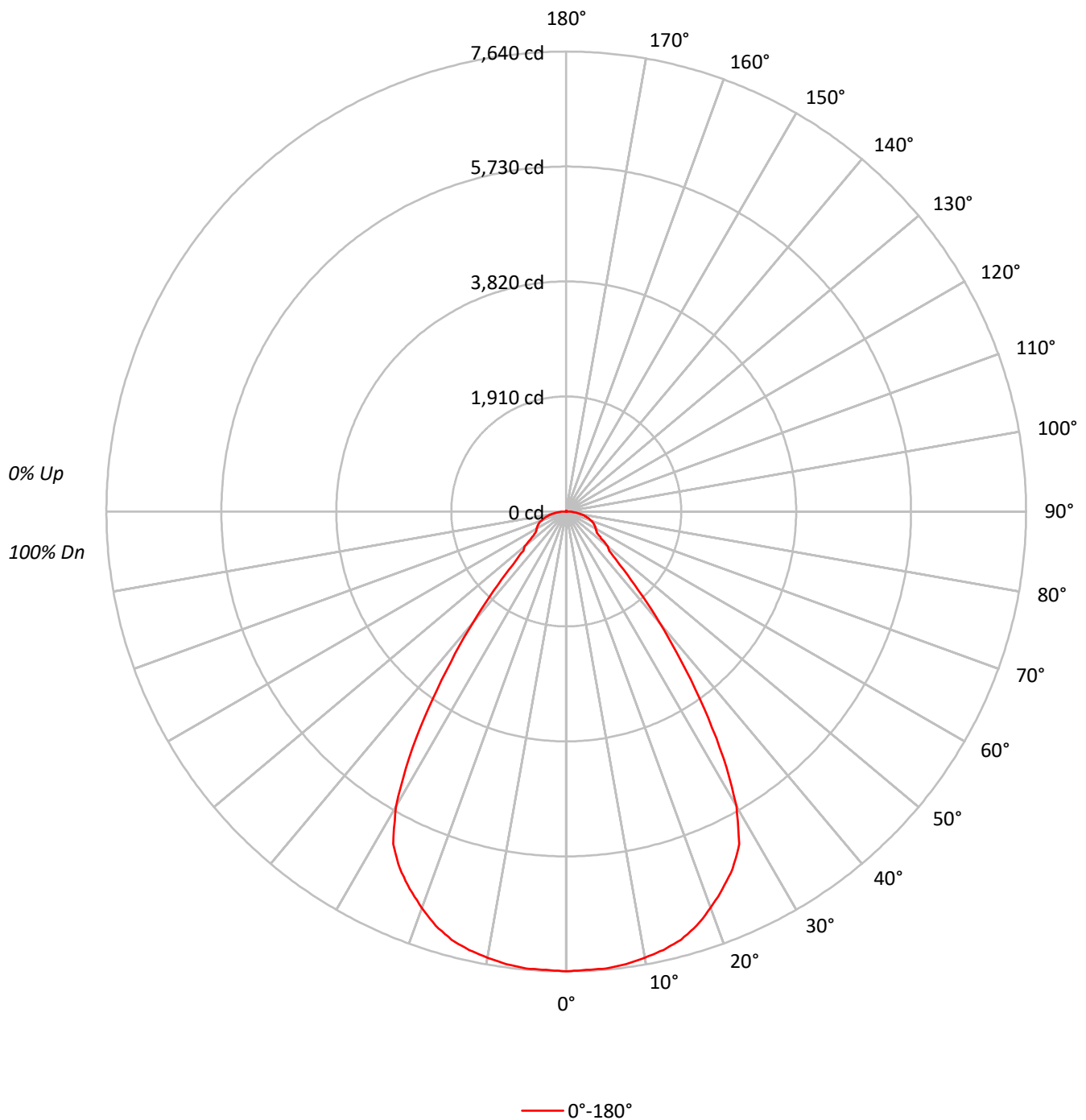
Lumens per Lamp: N/A
Luminaire Lumens: 10935.5 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_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		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°	41764
5°	39943
10°	38171
15°	36450
20°	34130
25°	31578
30°	27253
35°	19339
40°	11897
45°	6308
50°	4679
55°	3383
60°	3209
65°	3085
70°	2827
75°	2431
80°	1827
85°	989

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6308 cd/sqm

TEST NUMBER: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.5	6.6
10°-20°	2069.6	18.9
20°-30°	2978.8	27.2
30°-40°	2477.5	22.7
40°-50°	1077.5	9.9
50°-60°	598.4	5.5
60°-70°	504.1	4.6
70°-80°	360.7	3.3
80°-90°	124.6	1.1
90°-100°	1.8	0.0
100°-110°	0.8	0.0
110°-120°	1.5	0.0
120°-130°	1.7	0.0
130°-140°	2.7	0.0
140°-150°	4.2	0.0
150°-160°	3.9	0.0
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-30°	5772.8	52.8
0°-40°	8250.3	75.4
0°-60°	9926.2	90.8
0°-90°	10915.7	99.8
90°-120°	4.1	0.0
90°-150°	12.7	0.1
90°-180°	20.0	0.2
0°-180°	10935.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7640	
5°	7620	724
15°	7365	2070
25°	6544	2979
35°	3986	2477
45°	1253	1077
55°	627	598
65°	513	504
75°	345	361
85°	112	117
90°	7	9
95°	1	1
105°	1	1
115°	2	1
125°	2	2
135°	3	3
145°	6	4
155°	8	4
165°	8	2
175°	9	1
180°	9	

TEST NUMBER: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7639.5
2.5°	7623.4
5°	7620.1
7.5°	7590.2
10°	7526.3
12.5°	7460.0
15°	7365.4
17.5°	7212.6
20°	7011.3
22.5°	6788.1
25°	6543.9
27.5°	6225.3
30°	5653.6
32.5°	4866.9
35°	3985.5
37.5°	3146.2
40°	2416.9
42.5°	1772.4
45°	1253.3
47.5°	965.5
50°	901.6
52.5°	729.3
55°	626.7
57.5°	590.3
60°	566.0
62.5°	542.6
65°	512.6
67.5°	477.9
70°	437.4
72.5°	393.8
75°	345.3
77.5°	291.9
80°	234.5
82.5°	174.7
85°	112.4
87.5°	50.1
90°	7.3
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: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L12_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.6
115°	1.6
117.5°	1.6
120°	1.6
122.5°	1.6
125°	1.6
127.5°	2.4
130°	2.4
132.5°	3.2
135°	3.2
137.5°	4.0
140°	4.9
142.5°	5.7
145°	6.5
147.5°	8.1
150°	8.9
152.5°	8.9
155°	8.1
157.5°	8.1
160°	8.1
162.5°	8.1
165°	8.1
167.5°	8.1
170°	8.9
172.5°	8.9
175°	8.9
177.5°	8.9
180°	8.9

TEST NUMBER: P1221301

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_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	12.50	13.74	12.87	14.06	14.38	12.50	13.74	12.87	14.06	14.38
	3H	14.62	15.73	15.00	16.06	16.43	14.62	15.73	15.00	16.06	16.43
	4H	15.41	16.44	15.82	16.80	17.19	15.41	16.44	15.82	16.80	17.19
	6H	15.96	16.91	16.38	17.29	17.68	15.96	16.91	16.38	17.29	17.68
	8H	16.11	17.01	16.55	17.41	17.82	16.11	17.01	16.55	17.41	17.82
	12H	16.18	17.04	16.62	17.43	17.87	16.18	17.04	16.62	17.43	17.87
4H	2H	13.12	14.15	13.52	14.50	14.89	13.12	14.15	13.52	14.50	14.89
	3H	15.40	16.26	15.82	16.66	17.07	15.40	16.26	15.82	16.66	17.07
	4H	16.30	17.07	16.74	17.49	17.94	16.30	17.07	16.74	17.49	17.94
	6H	16.95	17.62	17.42	18.07	18.54	16.95	17.62	17.42	18.07	18.54
	8H	17.14	17.76	17.61	18.21	18.69	17.14	17.76	17.61	18.21	18.69
	12H	17.24	17.79	17.73	18.28	18.75	17.24	17.79	17.73	18.28	18.75
8H	4H	16.55	17.17	17.02	17.62	18.10	16.55	17.17	17.02	17.62	18.10
	6H	17.31	17.82	17.82	18.32	18.80	17.31	17.82	17.82	18.32	18.80
	8H	17.56	18.01	18.08	18.53	19.03	17.56	18.01	18.08	18.53	19.03
	12H	17.72	18.11	18.24	18.61	19.19	17.72	18.11	18.24	18.61	19.19
12H	4H	16.56	17.11	17.05	17.59	18.07	16.56	17.11	17.05	17.59	18.07
	6H	17.34	17.79	17.86	18.31	18.81	17.34	17.79	17.86	18.31	18.81
	8H	17.63	18.03	18.15	18.53	19.10	17.63	18.03	18.15	18.53	19.10