

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504517

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504517
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

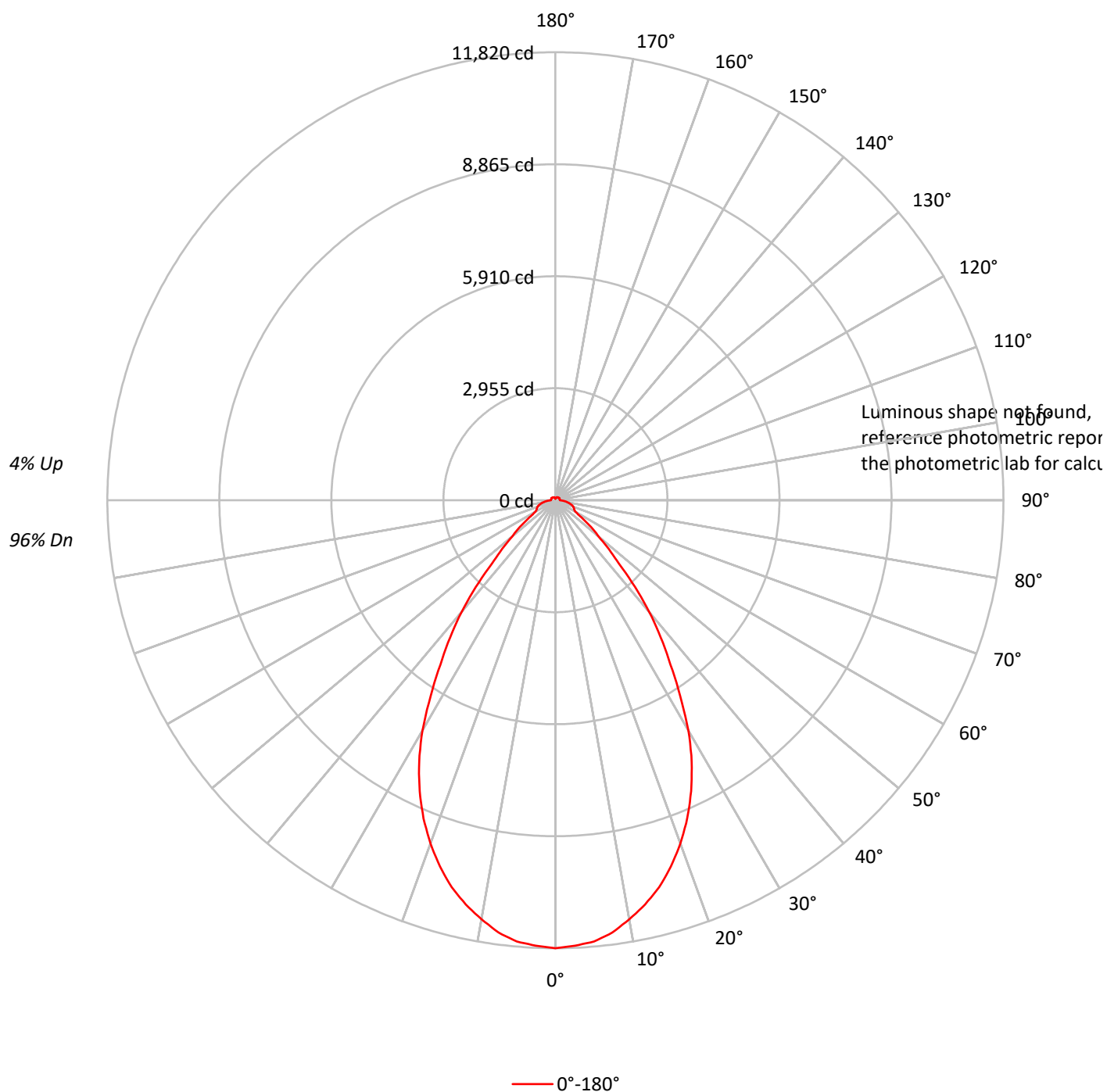
Lumens per Lamp: N/A
Luminaire Lumens: 15932.2 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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: P1504517

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504517

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504517

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.6	6.9
10°-20°	2957.6	18.6
20°-30°	3861.2	24.2
30°-40°	3323.5	20.9
40°-50°	1921.2	12.1
50°-60°	881.8	5.5
60°-70°	543.0	3.4
70°-80°	446.2	2.8
80°-90°	242.4	1.5
90°-100°	125.3	0.8
100°-110°	122.5	0.8
110°-120°	112.8	0.7
120°-130°	97.1	0.6
130°-140°	78.2	0.5
140°-150°	58.9	0.4
150°-160°	37.6	0.2
160°-170°	17.9	0.1
170°-180°	4.5	0.0
0°-30°	7919.5	49.7
0°-40°	11242.9	70.6
0°-60°	14045.9	88.2
0°-90°	15277.5	95.9
90°-120°	360.6	2.3
90°-150°	594.8	3.7
90°-180°	655.0	4.1
0°-180°	15932.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11820	
5°	11686	###
15°	10571	2958
25°	8470	3861
35°	5290	3323
45°	2363	1921
55°	953	882
65°	541	543
75°	427	446
85°	222	204
90°	115	70
95°	115	94
105°	116	123
115°	114	113
125°	108	97
135°	101	78
145°	94	59
155°	80	38
165°	62	18
175°	44	4
180°	42	

TEST NUMBER: P1504517

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	11820.1
2.5°	11762.8
5°	11685.9
7.5°	11503.5
10°	11223.7
12.5°	10924.3
15°	10571.0
17.5°	10132.8
20°	9636.2
22.5°	9087.9
25°	8469.6
27.5°	7788.3
30°	7018.7
32.5°	6119.4
35°	5290.1
37.5°	4559.4
40°	3857.5
42.5°	3109.6
45°	2362.9
47.5°	1908.7
50°	1486.5
52.5°	1235.3
55°	953.2
57.5°	728.4
60°	613.7
62.5°	566.6
65°	541.4
67.5°	525.3
70°	501.3
72.5°	468.0
75°	426.7
77.5°	379.7
80°	329.2
82.5°	277.6
85°	222.5
87.5°	167.5
90°	114.7
92.5°	113.6
95°	114.7
97.5°	115.8
100°	115.8
102.5°	115.8
105°	115.8
107.5°	115.8
110°	115.8

TEST NUMBER: P1504517

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.7
115°	113.6
117.5°	112.4
120°	111.3
122.5°	110.1
125°	107.8
127.5°	106.7
130°	104.4
132.5°	103.2
135°	100.9
137.5°	98.6
140°	97.5
142.5°	95.2
145°	94.1
147.5°	91.8
150°	89.5
152.5°	86.0
155°	80.3
157.5°	75.7
160°	72.3
162.5°	66.5
165°	61.9
167.5°	57.4
170°	52.8
172.5°	47.0
175°	43.6
177.5°	42.4
180°	42.4

(END OF REPORT)