

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: P1504883

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504883
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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-B-06-TRWH-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

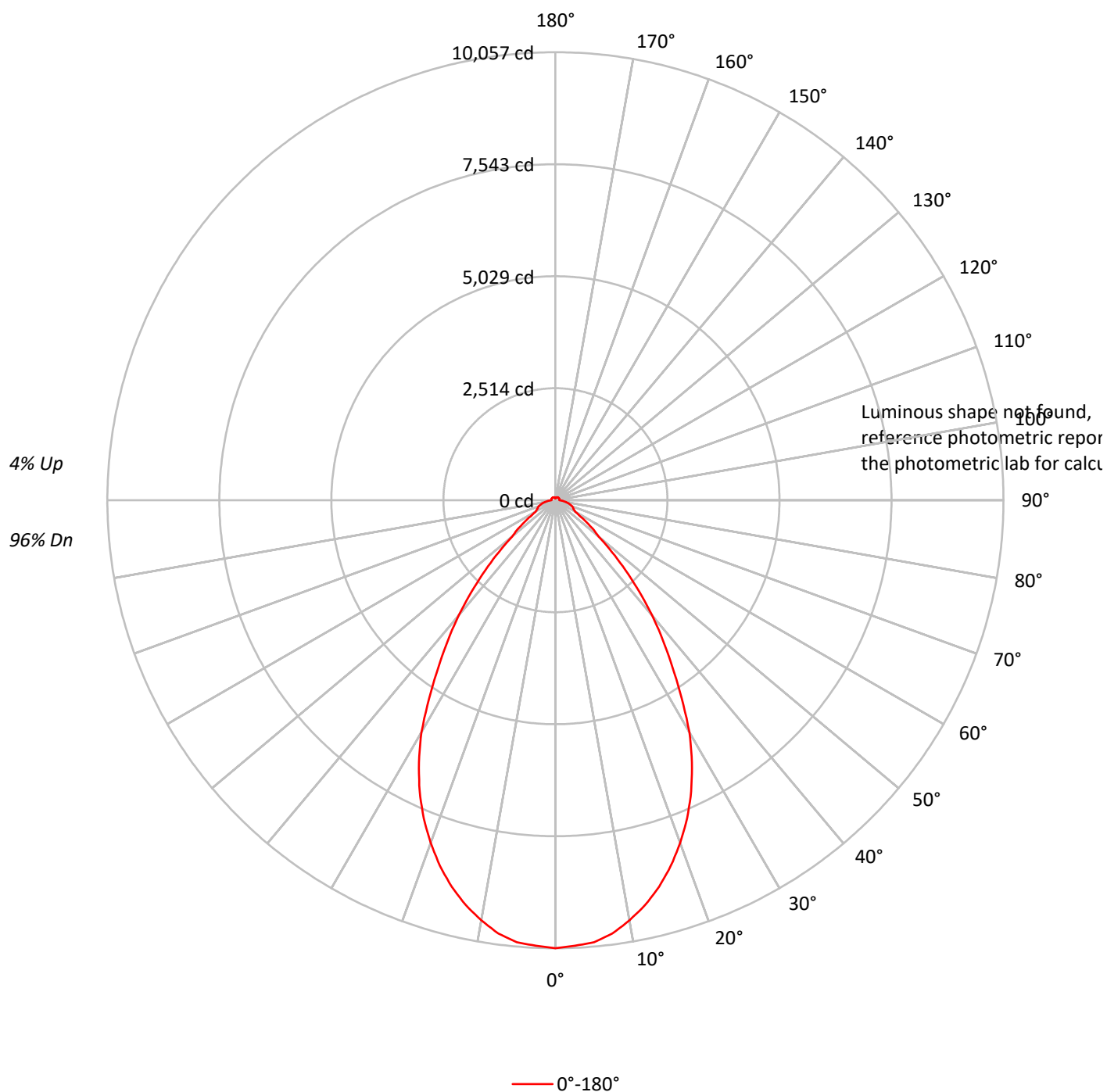
Lumens per Lamp: N/A
Luminaire Lumens: 13587.5 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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: P1504883

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504883

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_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	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504883

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.2	6.9
10°-20°	2515.5	18.5
20°-30°	3287.9	24.2
30°-40°	2872.8	21.1
40°-50°	1729.4	12.7
50°-60°	756.0	5.6
60°-70°	443.9	3.3
70°-80°	341.5	2.5
80°-90°	175.6	1.3
90°-100°	95.5	0.7
100°-110°	95.2	0.7
110°-120°	89.4	0.7
120°-130°	78.5	0.6
130°-140°	64.5	0.5
140°-150°	49.2	0.4
150°-160°	32.9	0.2
160°-170°	16.8	0.1
170°-180°	4.6	0.0
0°-30°	6741.6	49.6
0°-40°	9614.4	70.8
0°-60°	12099.8	89.1
0°-90°	13060.8	96.1
90°-120°	280.1	2.1
90°-150°	472.3	3.5
90°-180°	527.0	3.9
0°-180°	13587.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10057	
5°	9960	938
15°	8984	2515
25°	7210	3288
35°	4574	2873
45°	2218	1729
55°	825	756
65°	442	444
75°	326	342
85°	159	147
90°	88	52
95°	88	72
105°	90	95
115°	90	89
125°	88	79
135°	84	65
145°	78	49
155°	71	33
165°	58	17
175°	47	5
180°	47	

TEST NUMBER: P1504883

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10057.0
2.5°	10010.3
5°	9959.8
7.5°	9810.0
10°	9575.7
12.5°	9307.4
15°	8983.6
17.5°	8608.3
20°	8185.4
22.5°	7723.6
25°	7210.2
27.5°	6635.6
30°	6011.4
32.5°	5268.6
35°	4573.5
37.5°	3961.9
40°	3374.7
42.5°	2788.4
45°	2217.7
47.5°	1720.9
50°	1267.8
52.5°	1055.9
55°	825.4
57.5°	628.1
60°	515.3
62.5°	468.6
65°	442.4
67.5°	423.9
70°	397.7
72.5°	364.6
75°	325.7
77.5°	283.9
80°	241.1
82.5°	200.3
85°	159.4
87.5°	120.6
90°	87.5
92.5°	85.6
95°	87.5
97.5°	88.5
100°	89.4
102.5°	89.4
105°	90.4
107.5°	90.4
110°	90.4

TEST NUMBER: P1504883

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.4
115°	90.4
117.5°	89.4
120°	89.4
122.5°	88.5
125°	87.5
127.5°	86.5
130°	85.6
132.5°	84.6
135°	83.6
137.5°	81.7
140°	80.7
142.5°	79.7
145°	77.8
147.5°	76.8
150°	75.8
152.5°	73.9
155°	71.0
157.5°	68.1
160°	65.1
162.5°	62.2
165°	58.3
167.5°	55.4
170°	51.5
172.5°	47.6
175°	46.7
177.5°	46.7
180°	46.7

(END OF REPORT)