

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: P1504495

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504495
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

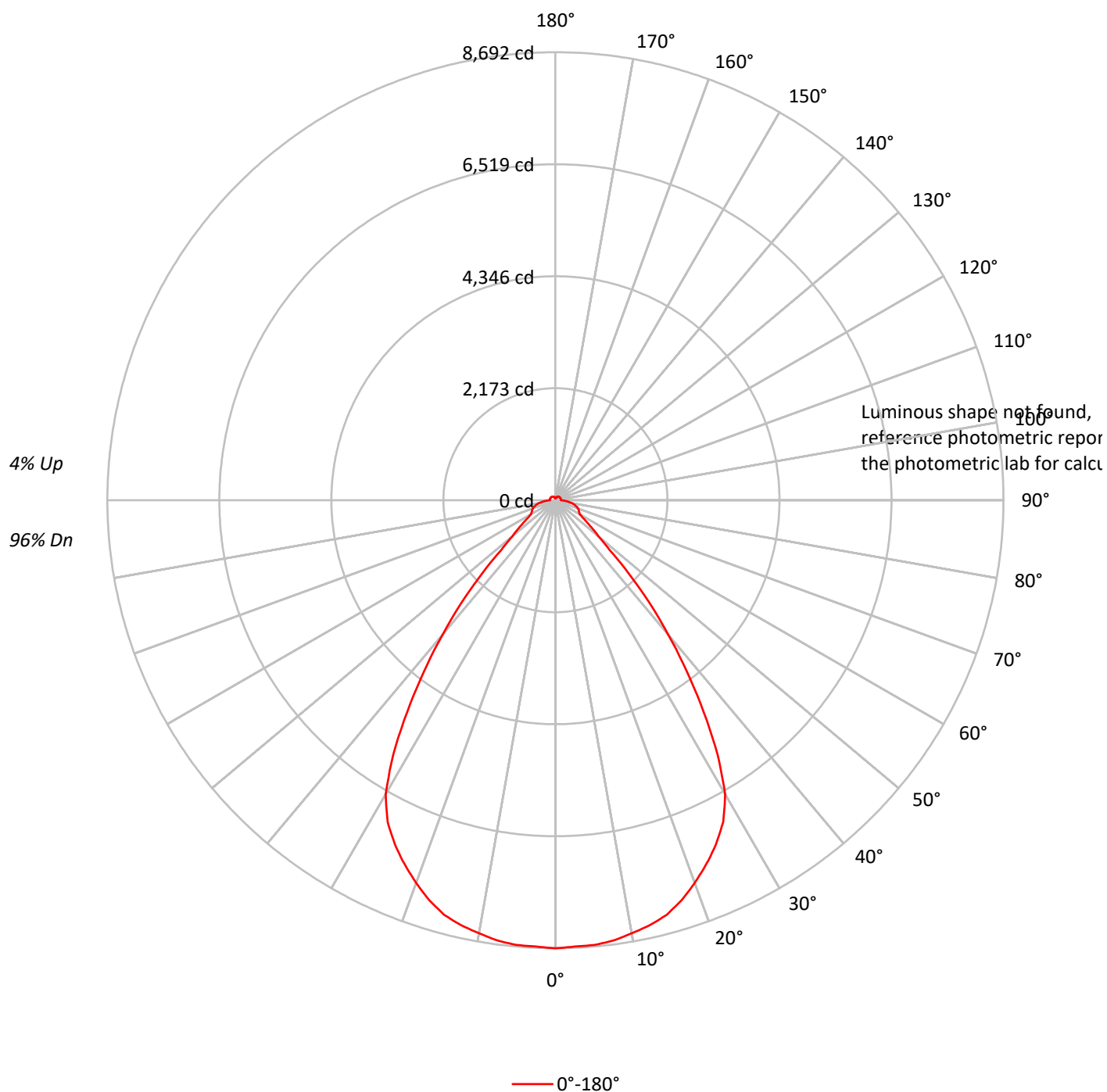
Lumens per Lamp: N/A
Luminaire Lumens: 13686.6 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.3
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: P1504495

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Medium_120V)

Luminous Intensity Polar Plot





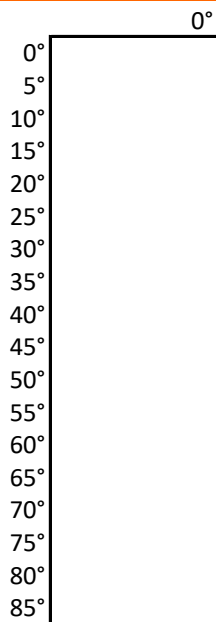
TEST NUMBER: P1504495

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	56		
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	47		
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	43		
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504495

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.6	6.0
10°-20°	2338.7	17.1
20°-30°	3373.3	24.6
30°-40°	3110.3	22.7
40°-50°	1594.1	11.6
50°-60°	692.0	5.1
60°-70°	500.8	3.7
70°-80°	422.5	3.1
80°-90°	232.2	1.7
90°-100°	116.0	0.8
100°-110°	113.1	0.8
110°-120°	103.4	0.8
120°-130°	88.8	0.6
130°-140°	71.7	0.5
140°-150°	53.5	0.4
150°-160°	34.0	0.2
160°-170°	15.9	0.1
170°-180°	3.9	0.0
0°-30°	6534.5	47.7
0°-40°	9644.8	70.5
0°-60°	11930.9	87.2
0°-90°	13086.4	95.6
90°-120°	332.4	2.4
90°-150°	546.4	4.0
90°-180°	600.0	4.4
0°-180°	13686.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8692	
5°	8662	823
15°	8328	2339
25°	7368	3373
35°	5017	3110
45°	2000	1594
55°	753	692
65°	502	501
75°	404	423
85°	214	196
90°	107	65
95°	106	87
105°	107	113
115°	104	103
125°	99	89
135°	93	72
145°	85	53
155°	73	34
165°	54	16
175°	38	4
180°	36	

TEST NUMBER: P1504495

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8692.2
2.5°	8666.4
5°	8661.6
7.5°	8615.8
10°	8529.8
12.5°	8447.7
15°	8328.3
17.5°	8137.3
20°	7900.4
22.5°	7645.4
25°	7368.4
27.5°	7043.7
30°	6584.3
32.5°	5858.4
35°	5017.0
37.5°	4188.0
40°	3403.9
42.5°	2687.6
45°	1999.9
47.5°	1427.8
50°	1094.5
52.5°	907.3
55°	752.6
57.5°	624.6
60°	549.2
62.5°	521.5
65°	502.4
67.5°	488.0
70°	467.0
72.5°	439.3
75°	404.0
77.5°	363.9
80°	318.0
82.5°	268.4
85°	213.9
87.5°	157.6
90°	107.0
92.5°	105.1
95°	106.0
97.5°	107.0
100°	107.0
102.5°	107.0
105°	107.0
107.5°	107.0
110°	106.0

TEST NUMBER: P1504495

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.1
115°	104.1
117.5°	103.1
120°	102.2
122.5°	100.3
125°	99.3
127.5°	97.4
130°	95.5
132.5°	94.6
135°	92.6
137.5°	90.7
140°	88.8
142.5°	86.9
145°	85.0
147.5°	83.1
150°	81.2
152.5°	77.4
155°	72.6
157.5°	68.8
160°	64.9
162.5°	60.2
165°	54.4
167.5°	50.6
170°	45.8
172.5°	41.1
175°	38.2
177.5°	36.3
180°	36.3

(END OF REPORT)