

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: P1504855

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504855
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

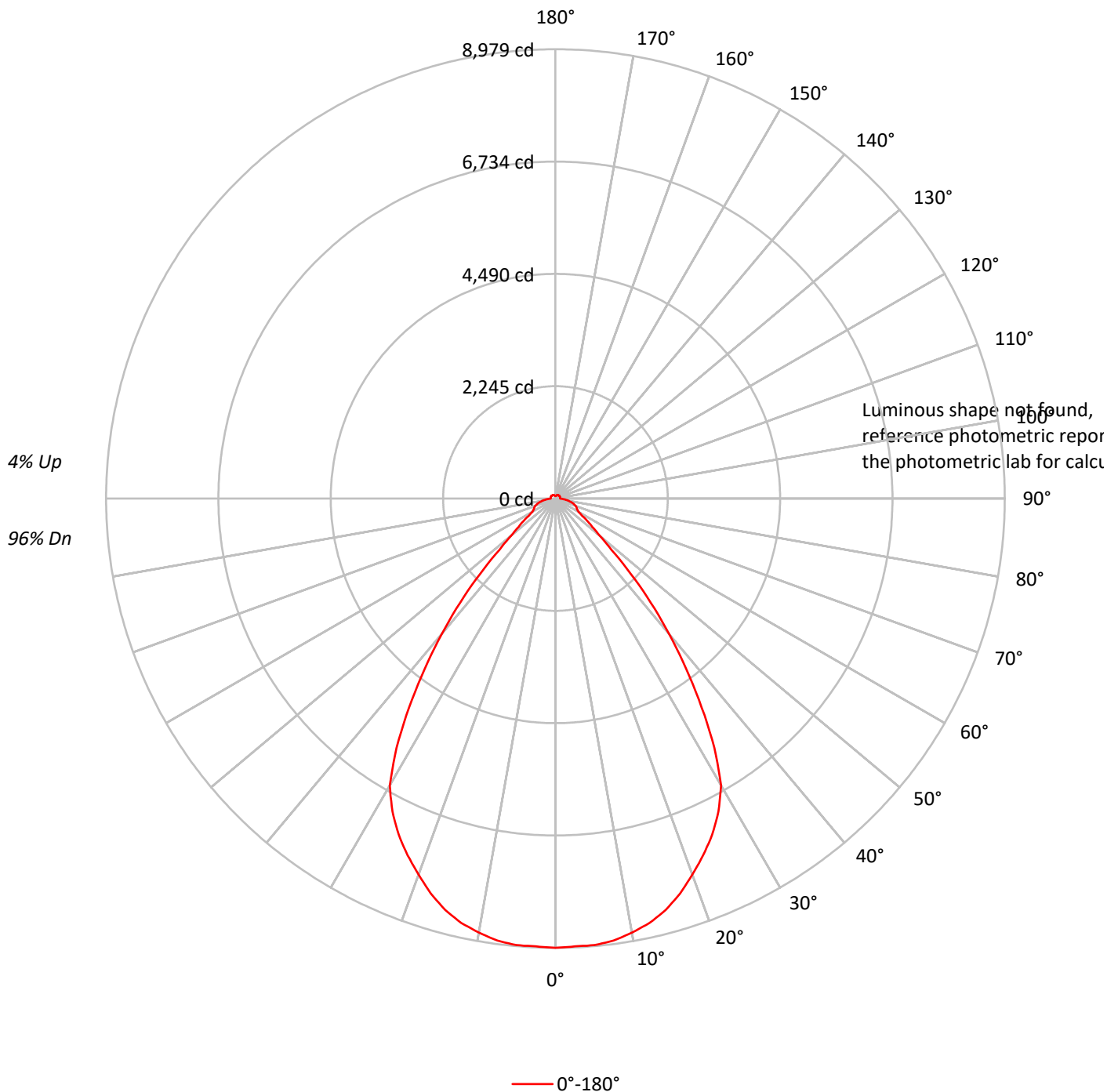
Lumens per Lamp: N/A
Luminaire Lumens: 13770.9 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.4
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: P1504855

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

Luminous Intensity Polar Plot



TEST NUMBER: P1504855

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	79	79	79	79	76			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	71	71	71	71	69			
4	90	81	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53	53	53	53	53	51			
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49	49	49	49	49	47			
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45	45	45	45	45	43			
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42	42	42	42	42	40			
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	39	39	39	39	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504855

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	850.3	6.2
10°-20°	2389.3	17.4
20°-30°	3394.1	24.6
30°-40°	3161.3	23.0
40°-50°	1679.6	12.2
50°-60°	702.6	5.1
60°-70°	471.8	3.4
70°-80°	372.3	2.7
80°-90°	191.3	1.4
90°-100°	101.3	0.7
100°-110°	101.3	0.7
110°-120°	94.8	0.7
120°-130°	83.4	0.6
130°-140°	68.3	0.5
140°-150°	52.0	0.4
150°-160°	34.6	0.3
160°-170°	17.6	0.1
170°-180°	4.8	0.0
0°-30°	6633.7	48.2
0°-40°	9795.1	71.1
0°-60°	12177.3	88.4
0°-90°	13212.7	95.9
90°-120°	297.5	2.2
90°-150°	501.3	3.6
90°-180°	558.0	4.1
0°-180°	13770.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8979	
5°	8959	850
15°	8514	2389
25°	7411	3394
35°	5096	3161
45°	2131	1680
55°	766	703
65°	472	472
75°	355	372
85°	174	161
90°	92	55
95°	93	76
105°	96	101
115°	96	95
125°	93	83
135°	88	68
145°	82	52
155°	75	35
165°	61	18
175°	48	5
180°	48	

TEST NUMBER: P1504855

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	8978.7
2.5°	8957.7
5°	8958.6
7.5°	8908.8
10°	8809.1
12.5°	8686.4
15°	8513.8
17.5°	8277.1
20°	7998.1
22.5°	7716.3
25°	7410.6
27.5°	7054.0
30°	6620.7
32.5°	5907.5
35°	5095.7
37.5°	4296.2
40°	3529.4
42.5°	2819.1
45°	2130.9
47.5°	1521.2
50°	1148.3
52.5°	926.9
55°	765.9
57.5°	622.1
60°	533.9
62.5°	496.5
65°	471.6
67.5°	454.4
70°	428.5
72.5°	394.9
75°	354.7
77.5°	312.5
80°	267.4
82.5°	219.5
85°	173.5
87.5°	129.4
90°	92.0
92.5°	91.1
95°	93.0
97.5°	93.9
100°	94.9
102.5°	95.9
105°	95.9
107.5°	95.9
110°	95.9

TEST NUMBER: P1504855

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	95.9
115°	95.9
117.5°	94.9
120°	94.9
122.5°	93.9
125°	93.0
127.5°	92.0
130°	91.1
132.5°	89.1
135°	88.2
137.5°	87.2
140°	85.3
142.5°	84.4
145°	82.4
147.5°	81.5
150°	79.6
152.5°	77.6
155°	74.8
157.5°	70.9
160°	69.0
162.5°	65.2
165°	61.3
167.5°	57.5
170°	53.7
172.5°	49.8
175°	47.9
177.5°	48.9
180°	47.9

(END OF REPORT)