

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: P1504882

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504882
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 (6500K_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

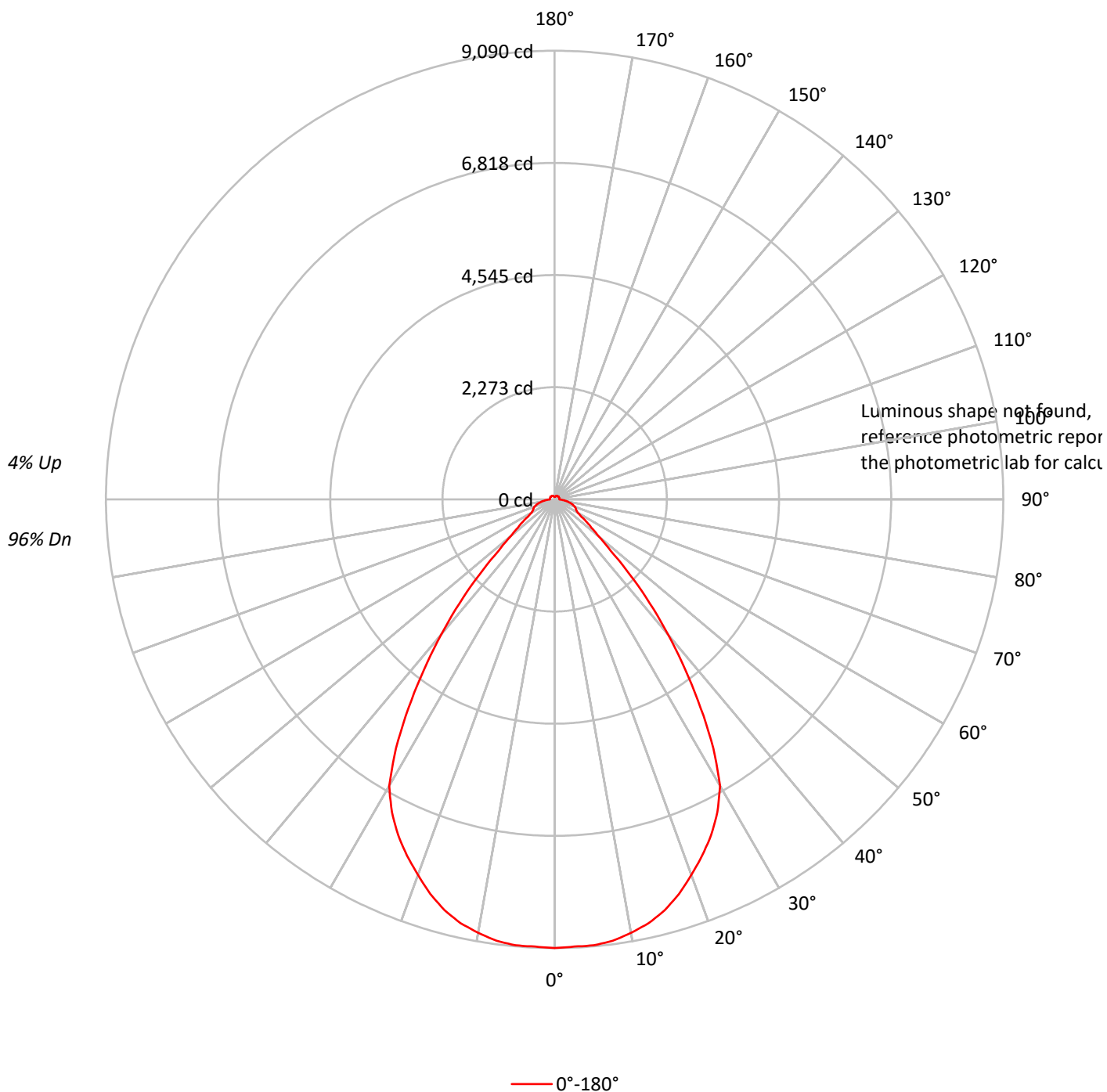
Lumens per Lamp: N/A
Luminaire Lumens: 13941.4 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.8	6.2
10°-20°	2418.9	17.4
20°-30°	3436.2	24.6
30°-40°	3200.5	23.0
40°-50°	1700.4	12.2
50°-60°	711.3	5.1
60°-70°	477.6	3.4
70°-80°	376.9	2.7
80°-90°	193.6	1.4
90°-100°	102.6	0.7
100°-110°	102.5	0.7
110°-120°	96.0	0.7
120°-130°	84.5	0.6
130°-140°	69.2	0.5
140°-150°	52.7	0.4
150°-160°	35.0	0.3
160°-170°	17.8	0.1
170°-180°	4.8	0.0
0°-30°	6715.9	48.2
0°-40°	9916.4	71.1
0°-60°	12328.2	88.4
0°-90°	13376.3	95.9
90°-120°	301.0	2.2
90°-150°	507.4	3.6
90°-180°	565.0	4.1
0°-180°	13941.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9090	
5°	9070	861
15°	8619	2419
25°	7502	3436
35°	5159	3200
45°	2157	1700
55°	775	711
65°	477	478
75°	359	377
85°	176	163
90°	93	56
95°	94	77
105°	97	102
115°	97	96
125°	94	84
135°	89	69
145°	84	53
155°	76	35
165°	62	18
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9090.0
2.5°	9068.6
5°	9069.6
7.5°	9019.1
10°	8918.2
12.5°	8794.0
15°	8619.3
17.5°	8379.6
20°	8097.2
22.5°	7811.9
25°	7502.4
27.5°	7141.4
30°	6702.7
32.5°	5980.7
35°	5158.8
37.5°	4349.5
40°	3573.1
42.5°	2854.0
45°	2157.3
47.5°	1540.1
50°	1162.6
52.5°	938.4
55°	775.4
57.5°	629.8
60°	540.5
62.5°	502.7
65°	477.4
67.5°	460.0
70°	433.8
72.5°	399.8
75°	359.1
77.5°	316.4
80°	270.7
82.5°	222.2
85°	175.6
87.5°	131.0
90°	93.2
92.5°	92.2
95°	94.1
97.5°	95.1
100°	96.1
102.5°	97.0
105°	97.0
107.5°	97.0
110°	97.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.0
115°	97.0
117.5°	96.1
120°	96.1
122.5°	95.1
125°	94.1
127.5°	93.2
130°	92.2
132.5°	90.2
135°	89.3
137.5°	88.3
140°	86.4
142.5°	85.4
145°	83.5
147.5°	82.5
150°	80.5
152.5°	78.6
155°	75.7
157.5°	71.8
160°	69.9
162.5°	66.0
165°	62.1
167.5°	58.2
170°	54.3
172.5°	50.5
175°	48.5
177.5°	49.5
180°	48.5

(END OF REPORT)