

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: P1504864

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504864
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 (4000K_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

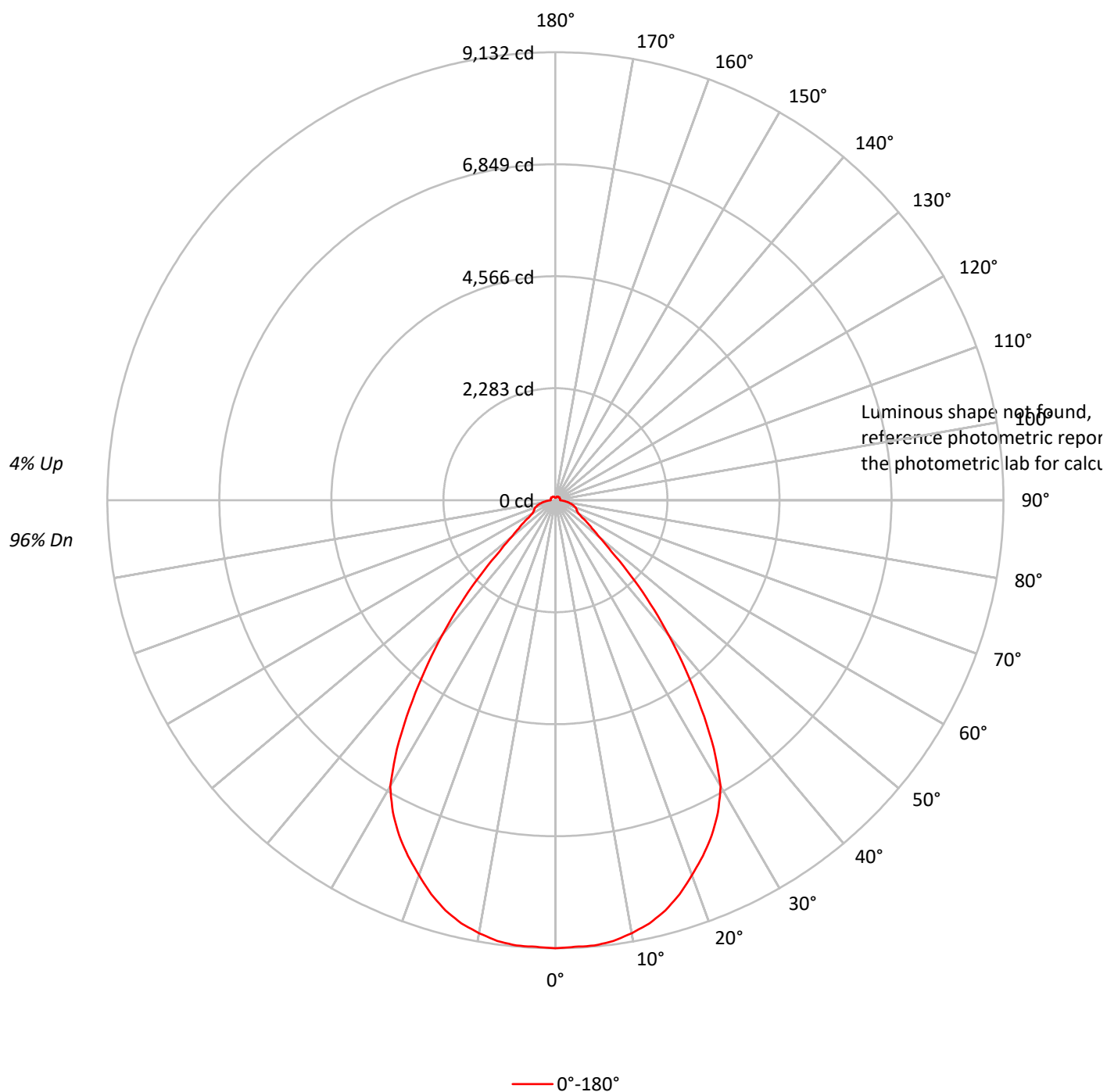
Lumens per Lamp: N/A
Luminaire Lumens: 14006.3 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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



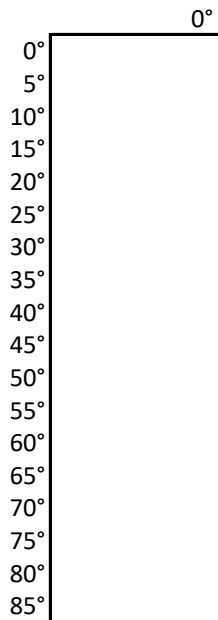
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
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			86
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	68	88	79	73	68	76	71	66	74	69	65	71	67	64			62
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58			56
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53			51
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49			47
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45			43
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42			40
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	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°	864.8	6.2
10°-20°	2430.1	17.4
20°-30°	3452.2	24.6
30°-40°	3215.4	23.0
40°-50°	1708.3	12.2
50°-60°	714.6	5.1
60°-70°	479.9	3.4
70°-80°	378.7	2.7
80°-90°	194.6	1.4
90°-100°	103.0	0.7
100°-110°	103.0	0.7
110°-120°	96.4	0.7
120°-130°	84.9	0.6
130°-140°	69.5	0.5
140°-150°	52.9	0.4
150°-160°	35.2	0.3
160°-170°	17.9	0.1
170°-180°	4.9	0.0
0°-30°	6747.2	48.2
0°-40°	9962.5	71.1
0°-60°	12385.5	88.4
0°-90°	13438.6	95.9
90°-120°	302.5	2.2
90°-150°	509.7	3.6
90°-180°	568.0	4.1
0°-180°	14006.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9132	
5°	9112	865
15°	8659	2430
25°	7537	3452
35°	5183	3215
45°	2167	1708
55°	779	715
65°	480	480
75°	361	379
85°	176	164
90°	94	56
95°	95	78
105°	98	103
115°	98	96
125°	95	85
135°	90	70
145°	84	53
155°	76	35
165°	62	18
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9132.2
2.5°	9110.8
5°	9111.8
7.5°	9061.1
10°	8959.7
12.5°	8834.9
15°	8659.4
17.5°	8418.6
20°	8134.9
22.5°	7848.3
25°	7537.2
27.5°	7174.6
30°	6733.9
32.5°	6008.5
35°	5182.8
37.5°	4369.7
40°	3589.7
42.5°	2867.3
45°	2167.3
47.5°	1547.2
50°	1168.0
52.5°	942.8
55°	779.0
57.5°	632.7
60°	543.0
62.5°	505.0
65°	479.7
67.5°	462.1
70°	435.8
72.5°	401.7
75°	360.7
77.5°	317.8
80°	272.0
82.5°	223.3
85°	176.5
87.5°	131.6
90°	93.6
92.5°	92.6
95°	94.6
97.5°	95.5
100°	96.5
102.5°	97.5
105°	97.5
107.5°	97.5
110°	97.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.5
115°	97.5
117.5°	96.5
120°	96.5
122.5°	95.5
125°	94.6
127.5°	93.6
130°	92.6
132.5°	90.7
135°	89.7
137.5°	88.7
140°	86.8
142.5°	85.8
145°	83.8
147.5°	82.9
150°	80.9
152.5°	79.0
155°	76.0
157.5°	72.1
160°	70.2
162.5°	66.3
165°	62.4
167.5°	58.5
170°	54.6
172.5°	50.7
175°	48.7
177.5°	49.7
180°	48.7

(END OF REPORT)