

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: P1504860

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504860
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)
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_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

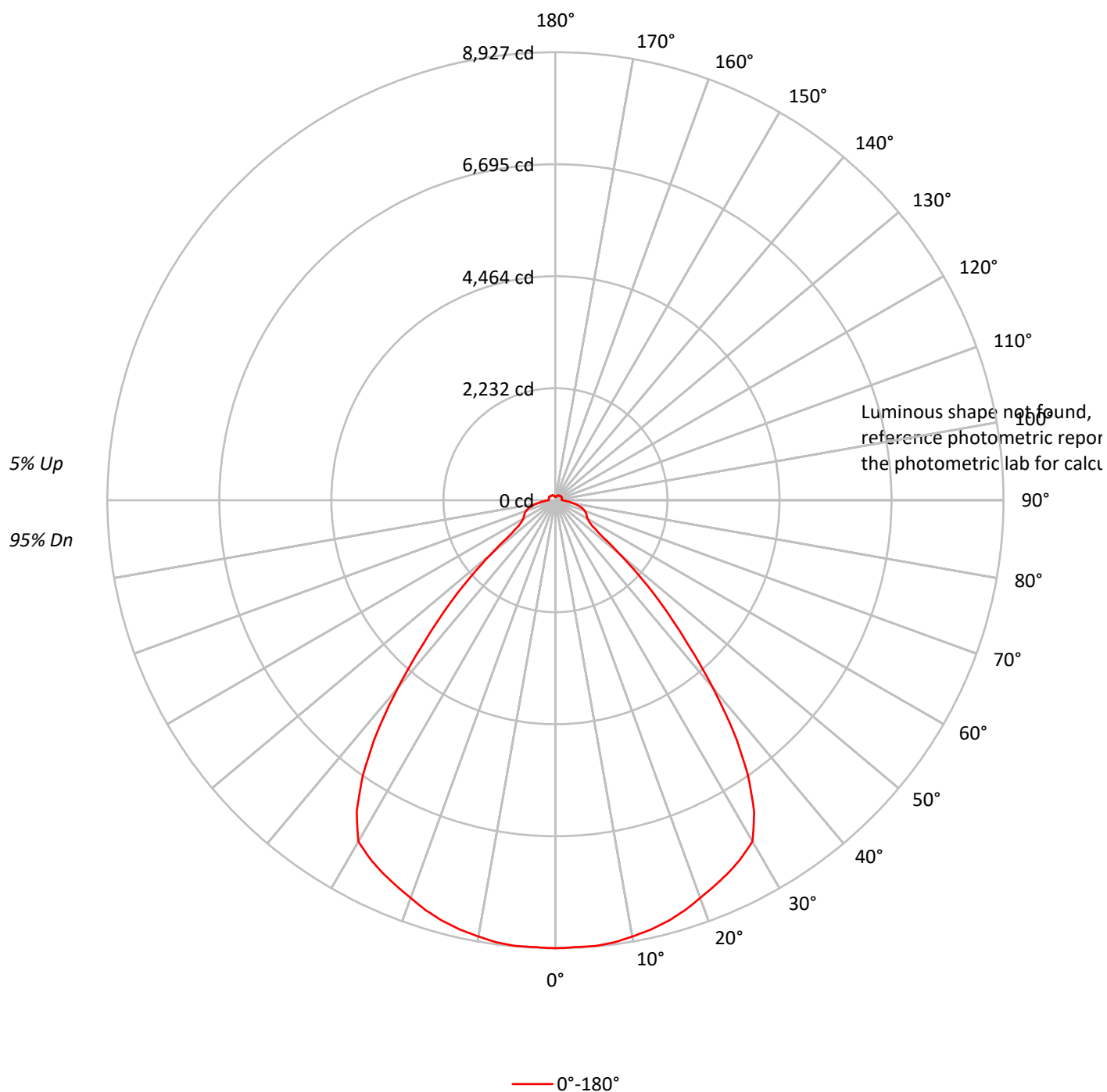
Lumens per Lamp: N/A
Luminaire Lumens: 16760.5 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	89	88	86	84		
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	74		
3	95	86	80	75	92	85	79	74	81	76	72	78	74	70	75	71	68	66		
4	89	79	71	66	86	77	70	65	74	68	64	71	67	63	69	65	61	59		
5	83	72	64	59	80	71	64	58	68	62	57	66	60	56	64	59	55	53		
6	77	66	58	53	75	65	58	53	63	56	52	61	55	51	59	54	50	48		
7	72	61	53	48	70	60	53	48	58	52	47	56	51	46	55	50	46	44		
8	68	56	49	44	66	55	48	43	54	47	43	52	47	42	51	46	42	40		
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	47	42	39	37		
10	60	48	41	37	59	48	41	37	47	40	36	45	40	36	44	39	36	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.3	5.1
10°-20°	2449.4	14.6
20°-30°	3771.6	22.5
30°-40°	4088.6	24.4
40°-50°	2430.9	14.5
50°-60°	899.0	5.4
60°-70°	676.6	4.0
70°-80°	537.9	3.2
80°-90°	264.9	1.6
90°-100°	144.4	0.9
100°-110°	144.6	0.9
110°-120°	135.7	0.8
120°-130°	119.1	0.7
130°-140°	97.1	0.6
140°-150°	73.2	0.4
150°-160°	48.4	0.3
160°-170°	24.2	0.1
170°-180°	6.5	0.0
0°-30°	7069.3	42.2
0°-40°	11157.9	66.6
0°-60°	14487.9	86.4
0°-90°	15967.3	95.3
90°-120°	424.7	2.5
90°-150°	714.1	4.3
90°-180°	793.0	4.7
0°-180°	16760.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8927	
5°	8917	848
15°	8679	2449
25°	8179	3772
35°	6687	4089
45°	3130	2431
55°	890	899
65°	683	677
75°	517	538
85°	237	222
90°	132	79
95°	132	109
105°	136	145
115°	136	136
125°	133	119
135°	125	97
145°	116	73
155°	104	48
165°	84	24
175°	64	6
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8927.1
2.5°	8912.7
5°	8917.1
7.5°	8889.4
10°	8827.3
12.5°	8764.1
15°	8678.7
17.5°	8569.0
20°	8435.9
22.5°	8307.3
25°	8178.6
27.5°	8030.1
30°	7852.7
32.5°	7368.1
35°	6687.3
37.5°	5844.6
40°	4882.1
42.5°	3930.8
45°	3130.2
47.5°	2380.6
50°	1690.9
52.5°	1133.2
55°	890.4
57.5°	802.8
60°	737.4
62.5°	708.5
65°	683.0
67.5°	657.5
70°	623.2
72.5°	575.5
75°	516.7
77.5°	446.9
80°	373.7
82.5°	302.7
85°	237.3
87.5°	179.6
90°	131.9
92.5°	129.7
95°	131.9
97.5°	134.2
100°	135.3
102.5°	136.4
105°	136.4
107.5°	137.5
110°	137.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	137.5
115°	136.4
117.5°	136.4
120°	135.3
122.5°	134.2
125°	133.1
127.5°	130.8
130°	129.7
132.5°	127.5
135°	125.3
137.5°	123.1
140°	120.9
142.5°	118.6
145°	116.4
147.5°	114.2
150°	112.0
152.5°	108.7
155°	104.2
157.5°	99.8
160°	95.4
162.5°	89.8
165°	84.3
167.5°	78.7
170°	73.2
172.5°	67.6
175°	64.3
177.5°	65.4
180°	64.3

(END OF REPORT)