

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: P1504848

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504848
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

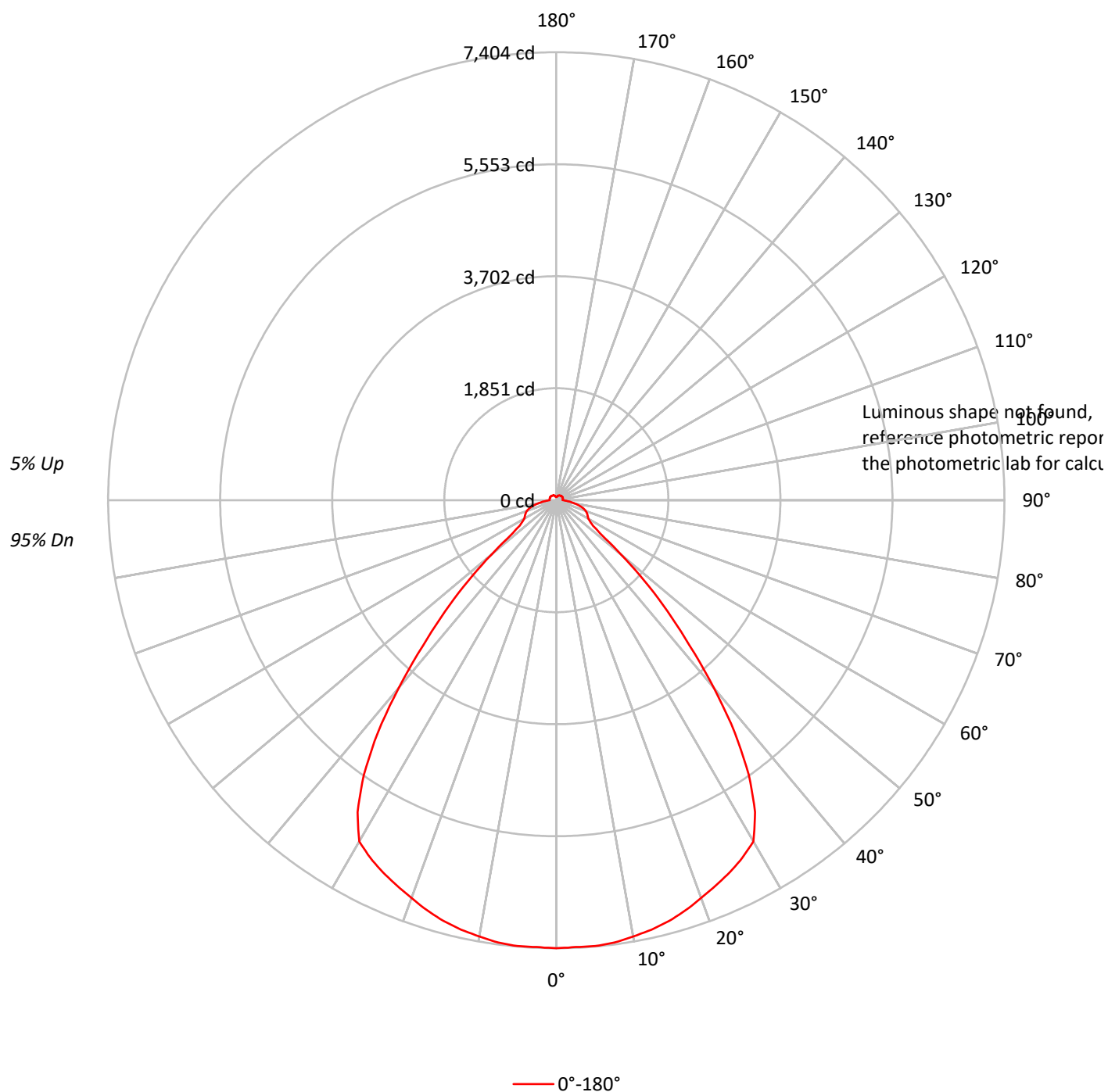
Lumens per Lamp: N/A
Luminaire Lumens: 13900.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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

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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°	703.5	5.1
10°-20°	2031.4	14.6
20°-30°	3127.9	22.5
30°-40°	3390.8	24.4
40°-50°	2016.1	14.5
50°-60°	745.6	5.4
60°-70°	561.1	4.0
70°-80°	446.1	3.2
80°-90°	219.7	1.6
90°-100°	119.8	0.9
100°-110°	119.9	0.9
110°-120°	112.5	0.8
120°-130°	98.8	0.7
130°-140°	80.6	0.6
140°-150°	60.8	0.4
150°-160°	40.1	0.3
160°-170°	20.1	0.1
170°-180°	5.4	0.0
0°-30°	5862.8	42.2
0°-40°	9253.6	66.6
0°-60°	12015.3	86.4
0°-90°	13242.2	95.3
90°-120°	352.1	2.5
90°-150°	592.2	4.3
90°-180°	658.0	4.7
0°-180°	13900.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7404	
5°	7395	704
15°	7198	2031
25°	6783	3128
35°	5546	3391
45°	2596	2016
55°	738	746
65°	566	561
75°	428	446
85°	197	184
90°	109	65
95°	109	90
105°	113	120
115°	113	112
125°	110	99
135°	104	81
145°	97	61
155°	86	40
165°	70	20
175°	53	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7403.6
2.5°	7391.6
5°	7395.3
7.5°	7372.3
10°	7320.8
12.5°	7268.4
15°	7197.6
17.5°	7106.5
20°	6996.2
22.5°	6889.5
25°	6782.8
27.5°	6659.6
30°	6512.5
32.5°	6110.6
35°	5546.0
37.5°	4847.1
40°	4048.9
42.5°	3259.9
45°	2596.0
47.5°	1974.3
50°	1402.4
52.5°	939.8
55°	738.4
57.5°	665.8
60°	611.5
62.5°	587.6
65°	566.5
67.5°	545.3
70°	516.8
72.5°	477.3
75°	428.5
77.5°	370.6
80°	309.9
82.5°	251.0
85°	196.8
87.5°	149.0
90°	109.4
92.5°	107.6
95°	109.4
97.5°	111.3
100°	112.2
102.5°	113.1
105°	113.1
107.5°	114.0
110°	114.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.0
115°	113.1
117.5°	113.1
120°	112.2
122.5°	111.3
125°	110.4
127.5°	108.5
130°	107.6
132.5°	105.8
135°	103.9
137.5°	102.1
140°	100.2
142.5°	98.4
145°	96.6
147.5°	94.7
150°	92.9
152.5°	90.1
155°	86.4
157.5°	82.8
160°	79.1
162.5°	74.5
165°	69.9
167.5°	65.3
170°	60.7
172.5°	56.1
175°	53.3
177.5°	54.3
180°	53.3

(END OF REPORT)