

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: P1504525

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504525
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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-A-06-TRWH-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

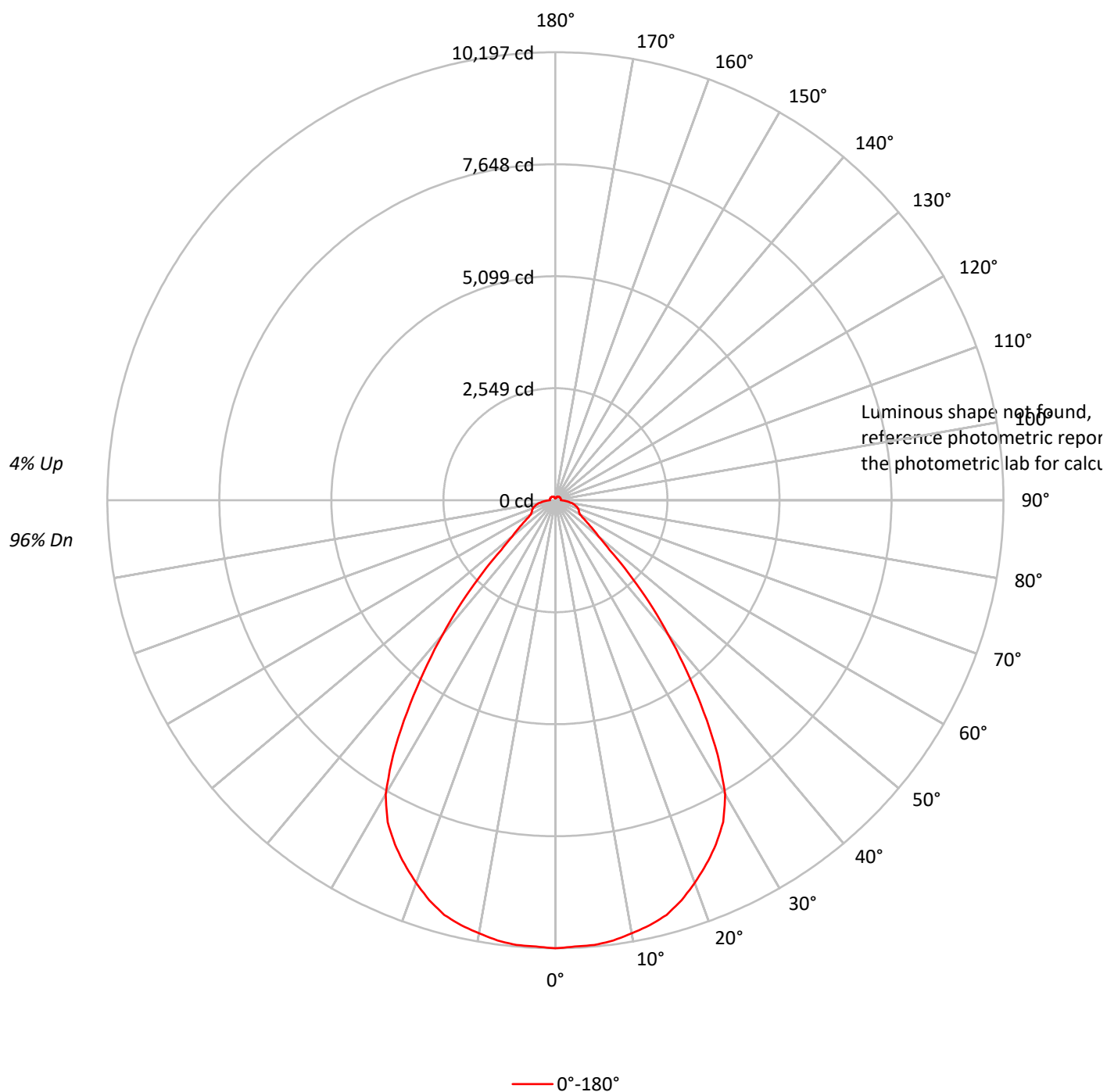
Lumens per Lamp: N/A
Luminaire Lumens: 16055.9 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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



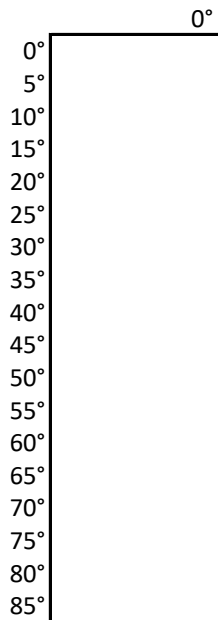
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	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°	965.0	6.0
10°-20°	2743.5	17.1
20°-30°	3957.2	24.6
30°-40°	3648.7	22.7
40°-50°	1870.1	11.6
50°-60°	811.8	5.1
60°-70°	587.4	3.7
70°-80°	495.7	3.1
80°-90°	272.4	1.7
90°-100°	136.0	0.8
100°-110°	132.6	0.8
110°-120°	121.2	0.8
120°-130°	104.2	0.6
130°-140°	84.1	0.5
140°-150°	62.8	0.4
150°-160°	39.9	0.2
160°-170°	18.7	0.1
170°-180°	4.6	0.0
0°-30°	7665.7	47.7
0°-40°	11314.4	70.5
0°-60°	13996.3	87.2
0°-90°	15351.8	95.6
90°-120°	389.9	2.4
90°-150°	641.0	4.0
90°-180°	704.0	4.4
0°-180°	16055.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10197	
5°	10161	965
15°	9770	2744
25°	8644	3957
35°	5886	3649
45°	2346	1870
55°	883	812
65°	589	587
75°	474	496
85°	251	230
90°	126	77
95°	124	102
105°	126	133
115°	122	121
125°	116	104
135°	109	84
145°	100	63
155°	85	40
165°	64	19
175°	45	5
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10196.8
2.5°	10166.6
5°	10161.0
7.5°	10107.2
10°	10006.4
12.5°	9910.0
15°	9770.0
17.5°	9545.9
20°	9268.0
22.5°	8968.9
25°	8644.0
27.5°	8263.0
30°	7724.1
32.5°	6872.6
35°	5885.5
37.5°	4913.0
40°	3993.1
42.5°	3152.8
45°	2346.1
47.5°	1675.0
50°	1284.0
52.5°	1064.4
55°	882.9
57.5°	732.7
60°	644.2
62.5°	611.7
65°	589.3
67.5°	572.5
70°	547.9
72.5°	515.4
75°	473.9
77.5°	426.9
80°	373.1
82.5°	314.8
85°	251.0
87.5°	184.9
90°	125.5
92.5°	123.2
95°	124.4
97.5°	125.5
100°	125.5
102.5°	125.5
105°	125.5
107.5°	125.5
110°	124.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	123.2
115°	122.1
117.5°	121.0
120°	119.9
122.5°	117.6
125°	116.5
127.5°	114.3
130°	112.0
132.5°	110.9
135°	108.7
137.5°	106.4
140°	104.2
142.5°	102.0
145°	99.7
147.5°	97.5
150°	95.2
152.5°	90.8
155°	85.2
157.5°	80.7
160°	76.2
162.5°	70.6
165°	63.9
167.5°	59.4
170°	53.8
172.5°	48.2
175°	44.8
177.5°	42.6
180°	42.6

(END OF REPORT)