

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: P1504513

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504513
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

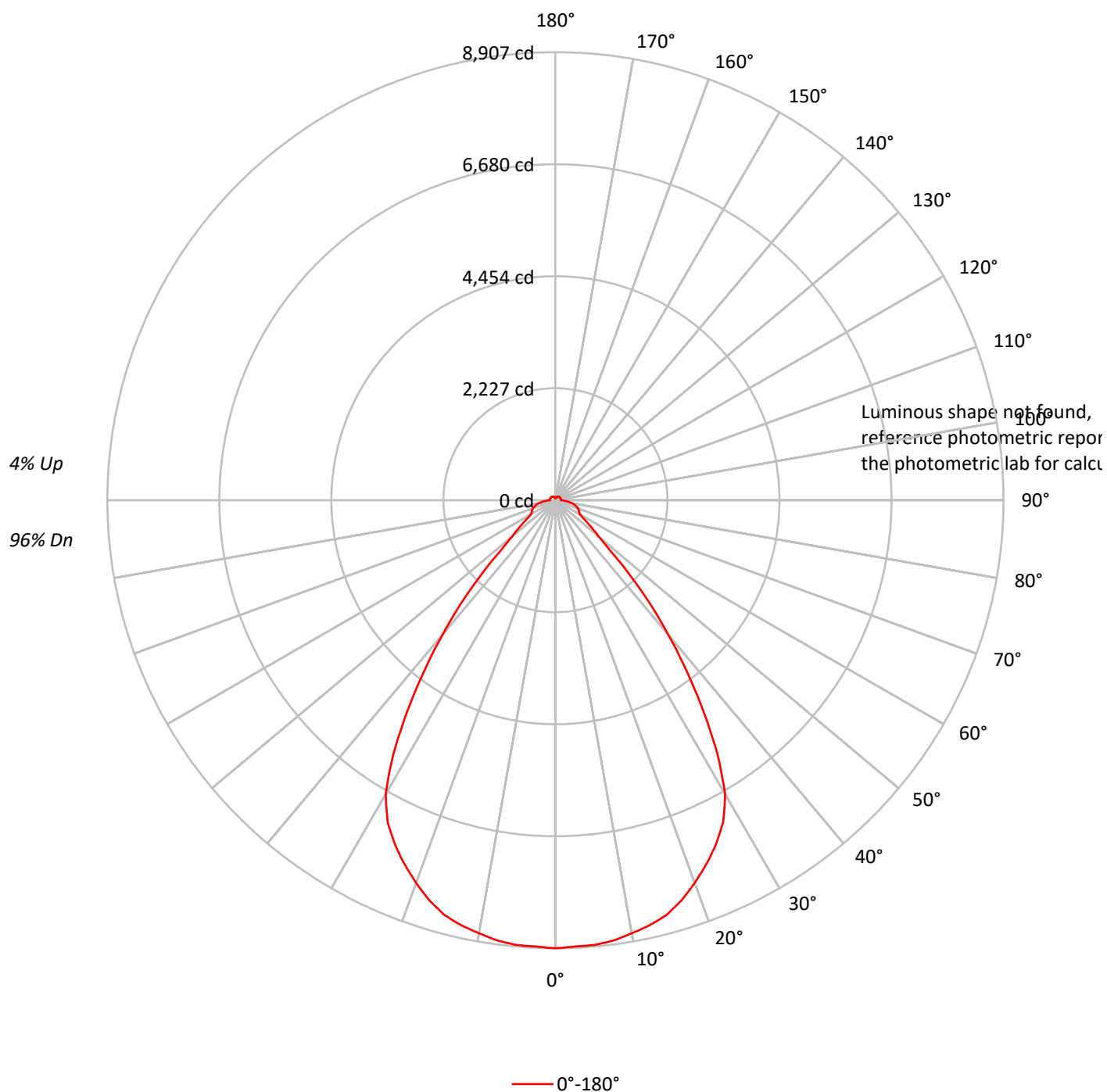
Lumens per Lamp: N/A
Luminaire Lumens: 14025.5 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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°	842.9	6.0
10°-20°	2396.6	17.1
20°-30°	3456.8	24.6
30°-40°	3187.3	22.7
40°-50°	1633.6	11.6
50°-60°	709.1	5.1
60°-70°	513.2	3.7
70°-80°	433.0	3.1
80°-90°	238.0	1.7
90°-100°	118.8	0.8
100°-110°	115.8	0.8
110°-120°	105.9	0.8
120°-130°	91.1	0.6
130°-140°	73.5	0.5
140°-150°	54.8	0.4
150°-160°	34.8	0.2
160°-170°	16.3	0.1
170°-180°	4.0	0.0
0°-30°	6696.3	47.7
0°-40°	9883.6	70.5
0°-60°	12226.4	87.2
0°-90°	13410.5	95.6
90°-120°	340.5	2.4
90°-150°	559.9	4.0
90°-180°	615.0	4.4
0°-180°	14025.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8907	
5°	8876	843
15°	8534	2397
25°	7551	3457
35°	5141	3187
45°	2050	1634
55°	771	709
65°	515	513
75°	414	433
85°	219	201
90°	110	67
95°	109	89
105°	110	116
115°	107	106
125°	102	91
135°	95	74
145°	87	55
155°	74	35
165°	56	16
175°	39	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8907.4
2.5°	8881.0
5°	8876.1
7.5°	8829.1
10°	8741.0
12.5°	8656.8
15°	8534.5
17.5°	8338.8
20°	8096.0
22.5°	7834.7
25°	7550.9
27.5°	7218.1
30°	6747.3
32.5°	6003.5
35°	5141.3
37.5°	4291.7
40°	3488.2
42.5°	2754.1
45°	2049.5
47.5°	1463.2
50°	1121.6
52.5°	929.8
55°	771.2
57.5°	640.1
60°	562.8
62.5°	534.4
65°	514.8
67.5°	500.1
70°	478.6
72.5°	450.2
75°	414.0
77.5°	372.9
80°	325.9
82.5°	275.0
85°	219.2
87.5°	161.5
90°	109.6
92.5°	107.7
95°	108.6
97.5°	109.6
100°	109.6
102.5°	109.6
105°	109.6
107.5°	109.6
110°	108.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.7
115°	106.7
117.5°	105.7
120°	104.7
122.5°	102.8
125°	101.8
127.5°	99.8
130°	97.9
132.5°	96.9
135°	94.9
137.5°	93.0
140°	91.0
142.5°	89.1
145°	87.1
147.5°	85.1
150°	83.2
152.5°	79.3
155°	74.4
157.5°	70.5
160°	66.6
162.5°	61.7
165°	55.8
167.5°	51.9
170°	47.0
172.5°	42.1
175°	39.1
177.5°	37.2
180°	37.2

(END OF REPORT)