

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: P1504506

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504506
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

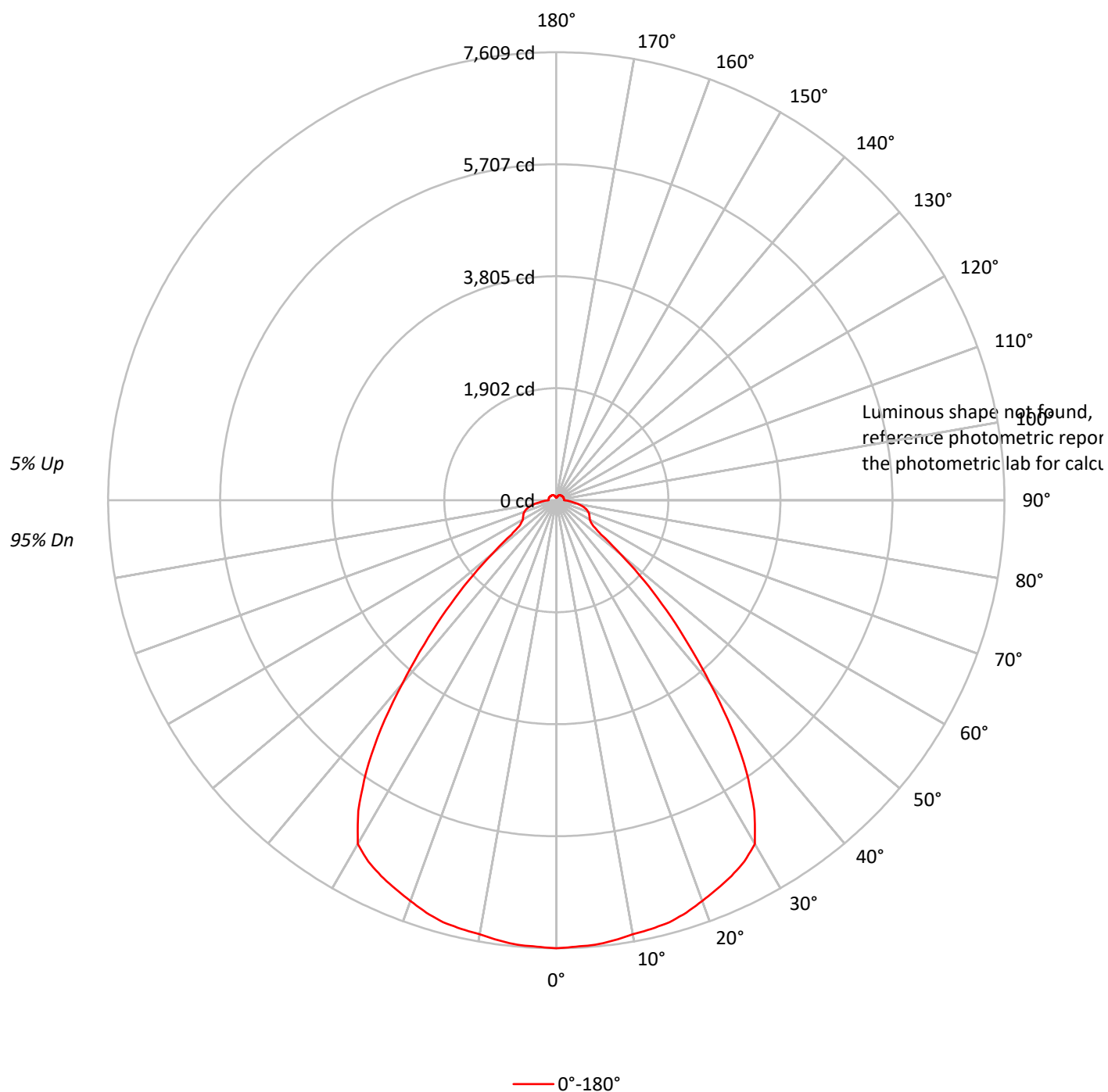
Lumens per Lamp: N/A
Luminaire Lumens: 14468.1 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	43			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	41	41	41	41	40			
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	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°	720.3	5.0
10°-20°	2093.3	14.5
20°-30°	3244.2	22.4
30°-40°	3451.1	23.9
40°-50°	2049.3	14.2
50°-60°	772.6	5.3
60°-70°	614.2	4.2
70°-80°	521.3	3.6
80°-90°	272.0	1.9
90°-100°	141.4	1.0
100°-110°	138.4	1.0
110°-120°	126.6	0.9
120°-130°	108.4	0.7
130°-140°	87.0	0.6
140°-150°	64.6	0.4
150°-160°	40.5	0.3
160°-170°	18.5	0.1
170°-180°	4.4	0.0
0°-30°	6057.8	41.9
0°-40°	9508.9	65.7
0°-60°	12330.8	85.2
0°-90°	13738.2	95.0
90°-120°	406.4	2.8
90°-150°	666.5	4.6
90°-180°	730.0	5.0
0°-180°	14468.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7609	
5°	7580	720
15°	7421	2093
25°	7040	3244
35°	5628	3451
45°	2644	2049
55°	770	773
65°	619	614
75°	502	521
85°	246	229
90°	130	79
95°	129	106
105°	131	138
115°	127	127
125°	122	108
135°	112	87
145°	102	65
155°	87	40
165°	64	19
175°	42	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7609.2
2.5°	7588.9
5°	7580.2
7.5°	7538.8
10°	7486.7
12.5°	7456.8
15°	7421.1
17.5°	7343.9
20°	7242.7
22.5°	7143.3
25°	7040.1
27.5°	6917.6
30°	6740.1
32.5°	6257.9
35°	5628.0
37.5°	4897.9
40°	4060.7
42.5°	3318.0
45°	2643.8
47.5°	2020.7
50°	1429.4
52.5°	957.8
55°	769.7
57.5°	700.2
60°	655.9
62.5°	637.6
65°	619.2
67.5°	602.8
70°	578.7
72.5°	545.9
75°	501.6
77.5°	446.6
80°	381.0
82.5°	312.5
85°	246.0
87.5°	184.2
90°	130.2
92.5°	128.3
95°	129.2
97.5°	130.2
100°	131.2
102.5°	131.2
105°	131.2
107.5°	130.2
110°	130.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.2
115°	127.3
117.5°	126.4
120°	124.4
122.5°	122.5
125°	121.5
127.5°	118.6
130°	116.7
132.5°	114.8
135°	111.9
137.5°	110.0
140°	108.0
142.5°	105.1
145°	102.2
147.5°	100.3
150°	97.4
152.5°	92.6
155°	86.8
157.5°	81.0
160°	76.2
162.5°	70.4
165°	63.7
167.5°	57.9
170°	52.1
172.5°	47.3
175°	42.4
177.5°	40.5
180°	40.5

(END OF REPORT)