

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: P1504527

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504527
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 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

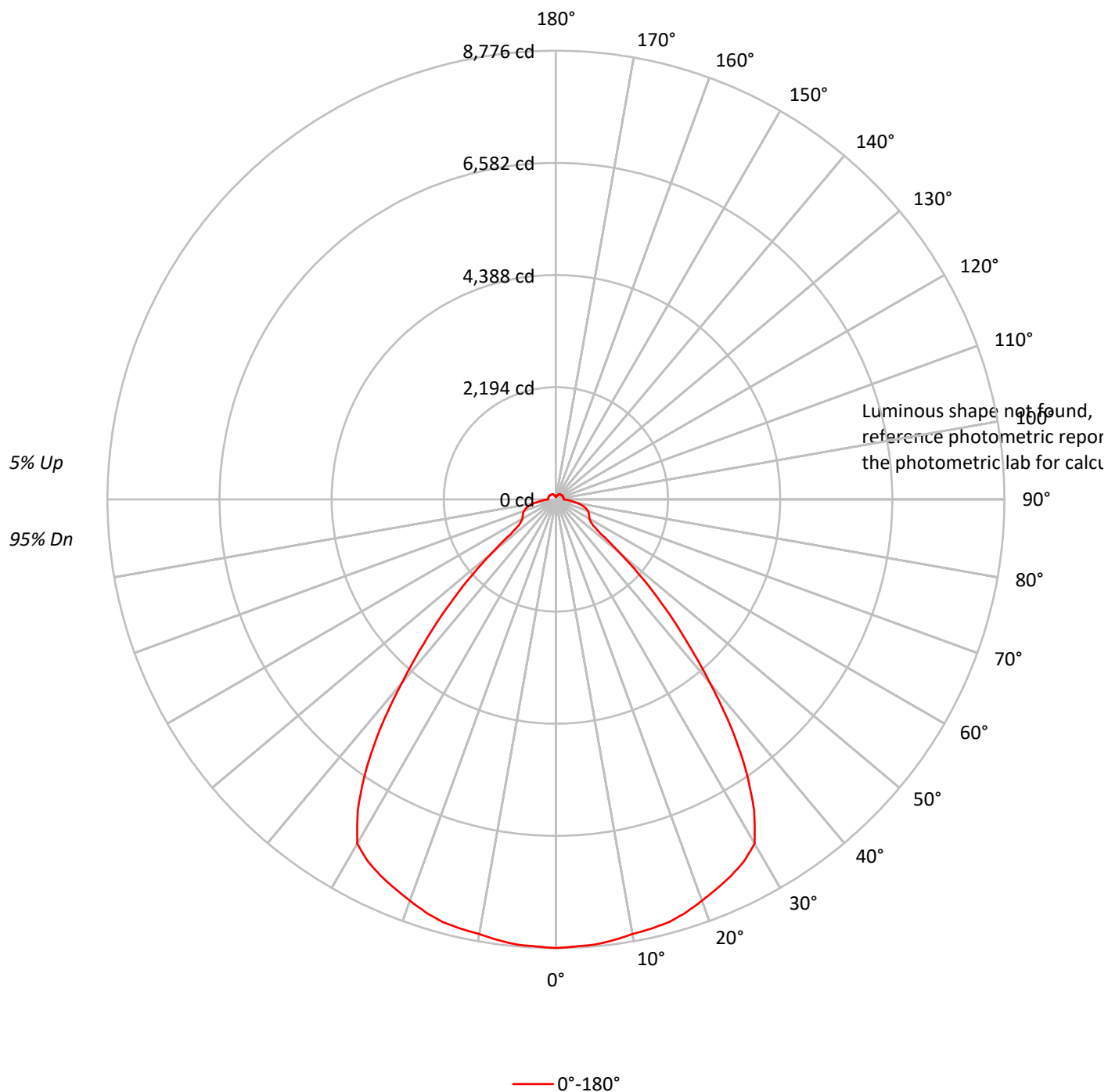
Lumens per Lamp: N/A
Luminaire Lumens: 16687.4 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97			95
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86			83
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76			74
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68			65
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61			59
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55			53
6	77	66	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50			48
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45			43
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41			40
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38			36
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	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°	830.8	5.0
10°-20°	2414.4	14.5
20°-30°	3741.9	22.4
30°-40°	3980.4	23.9
40°-50°	2363.6	14.2
50°-60°	891.1	5.3
60°-70°	708.4	4.2
70°-80°	601.3	3.6
80°-90°	313.7	1.9
90°-100°	163.1	1.0
100°-110°	159.6	1.0
110°-120°	146.1	0.9
120°-130°	125.1	0.7
130°-140°	100.4	0.6
140°-150°	74.5	0.4
150°-160°	46.7	0.3
160°-170°	21.3	0.1
170°-180°	5.1	0.0
0°-30°	6987.1	41.9
0°-40°	10967.5	65.7
0°-60°	14222.2	85.2
0°-90°	15845.5	95.0
90°-120°	468.8	2.8
90°-150°	768.8	4.6
90°-180°	842.0	5.0
0°-180°	16687.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8776	
5°	8743	831
15°	8559	2414
25°	8120	3742
35°	6491	3980
45°	3049	2364
55°	888	891
65°	714	708
75°	578	601
85°	284	264
90°	150	91
95°	149	122
105°	151	160
115°	147	146
125°	140	125
135°	129	100
145°	118	74
155°	100	47
165°	73	21
175°	49	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8776.3
2.5°	8753.0
5°	8743.0
7.5°	8695.1
10°	8635.1
12.5°	8600.6
15°	8559.4
17.5°	8470.4
20°	8353.6
22.5°	8239.0
25°	8120.0
27.5°	7978.7
30°	7774.0
32.5°	7217.8
35°	6491.3
37.5°	5649.2
40°	4683.5
42.5°	3826.9
45°	3049.3
47.5°	2330.6
50°	1648.7
52.5°	1104.7
55°	887.8
57.5°	807.7
60°	756.5
62.5°	735.3
65°	714.2
67.5°	695.3
70°	667.5
72.5°	629.7
75°	578.5
77.5°	515.1
80°	439.4
82.5°	360.4
85°	283.7
87.5°	212.5
90°	150.2
92.5°	148.0
95°	149.1
97.5°	150.2
100°	151.3
102.5°	151.3
105°	151.3
107.5°	150.2
110°	150.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.1
115°	146.8
117.5°	145.7
120°	143.5
122.5°	141.3
125°	140.2
127.5°	136.8
130°	134.6
132.5°	132.4
135°	129.0
137.5°	126.8
140°	124.6
142.5°	121.3
145°	117.9
147.5°	115.7
150°	112.4
152.5°	106.8
155°	100.1
157.5°	93.4
160°	87.9
162.5°	81.2
165°	73.4
167.5°	66.7
170°	60.1
172.5°	54.5
175°	48.9
177.5°	46.7
180°	46.7

(END OF REPORT)