

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: P1504491

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504491
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 (3000K_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

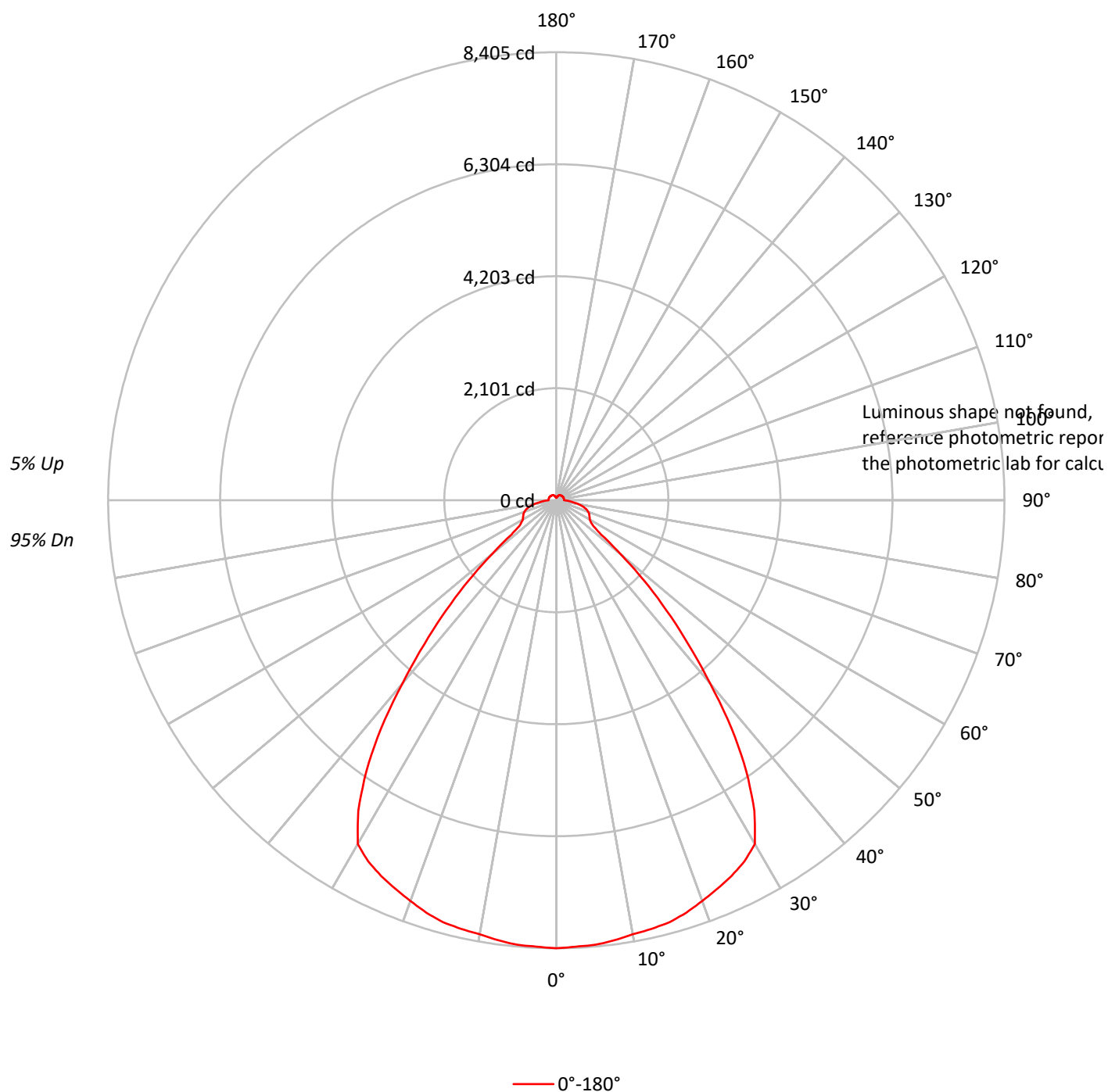
Lumens per Lamp: N/A
Luminaire Lumens: 15981.3 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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°	795.7	5.0
10°-20°	2312.2	14.5
20°-30°	3583.6	22.4
30°-40°	3812.0	23.9
40°-50°	2263.6	14.2
50°-60°	853.4	5.3
60°-70°	678.4	4.2
70°-80°	575.8	3.6
80°-90°	300.4	1.9
90°-100°	156.2	1.0
100°-110°	152.9	1.0
110°-120°	139.9	0.9
120°-130°	119.8	0.7
130°-140°	96.1	0.6
140°-150°	71.3	0.4
150°-160°	44.7	0.3
160°-170°	20.4	0.1
170°-180°	4.9	0.0
0°-30°	6691.5	41.9
0°-40°	10503.5	65.7
0°-60°	13620.5	85.2
0°-90°	15175.1	95.0
90°-120°	449.0	2.8
90°-150°	736.2	4.6
90°-180°	806.0	5.0
0°-180°	15981.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8405	
5°	8373	796
15°	8197	2312
25°	7776	3584
35°	6217	3812
45°	2920	2264
55°	850	853
65°	684	678
75°	554	576
85°	272	253
90°	144	87
95°	143	117
105°	145	153
115°	141	140
125°	134	120
135°	124	96
145°	113	71
155°	96	45
165°	70	20
175°	47	5
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8405.0
2.5°	8382.7
5°	8373.1
7.5°	8327.3
10°	8269.7
12.5°	8236.7
15°	8197.3
17.5°	8112.1
20°	8000.2
22.5°	7890.5
25°	7776.5
27.5°	7641.1
30°	7445.1
32.5°	6912.4
35°	6216.7
37.5°	5410.2
40°	4485.4
42.5°	3665.0
45°	2920.3
47.5°	2232.0
50°	1578.9
52.5°	1058.0
55°	850.2
57.5°	773.5
60°	724.5
62.5°	704.2
65°	684.0
67.5°	665.9
70°	639.2
72.5°	603.0
75°	554.0
77.5°	493.3
80°	420.8
82.5°	345.2
85°	271.7
87.5°	203.5
90°	143.8
92.5°	141.7
95°	142.8
97.5°	143.8
100°	144.9
102.5°	144.9
105°	144.9
107.5°	143.8
110°	143.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.8
115°	140.6
117.5°	139.6
120°	137.4
122.5°	135.3
125°	134.2
127.5°	131.0
130°	128.9
132.5°	126.8
135°	123.6
137.5°	121.5
140°	119.3
142.5°	116.1
145°	112.9
147.5°	110.8
150°	107.6
152.5°	102.3
155°	95.9
157.5°	89.5
160°	84.2
162.5°	77.8
165°	70.3
167.5°	63.9
170°	57.5
172.5°	52.2
175°	46.9
177.5°	44.7
180°	44.7

(END OF REPORT)