

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: P1504508

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504508
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

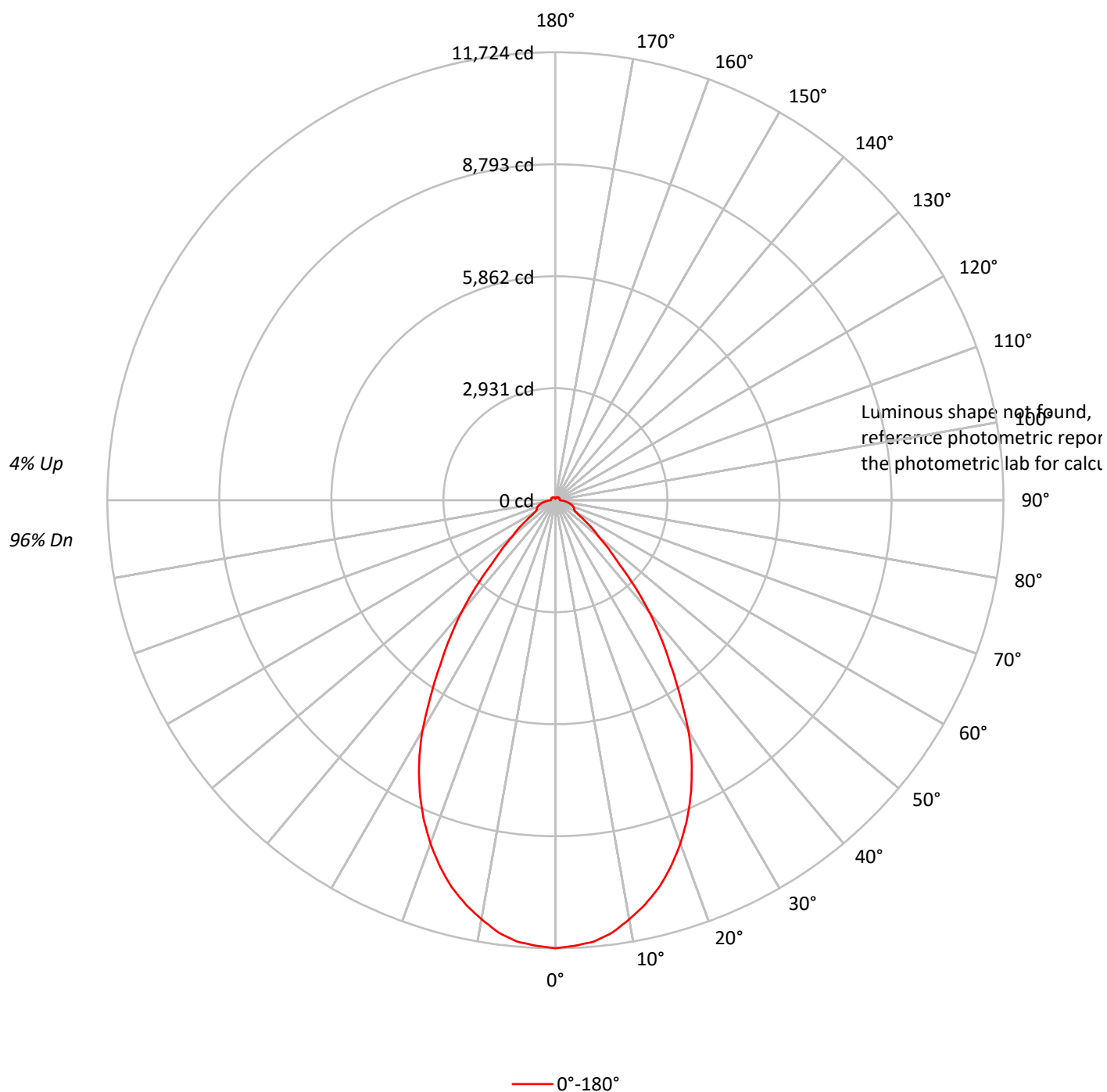
Lumens per Lamp: N/A
Luminaire Lumens: 15802.5 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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





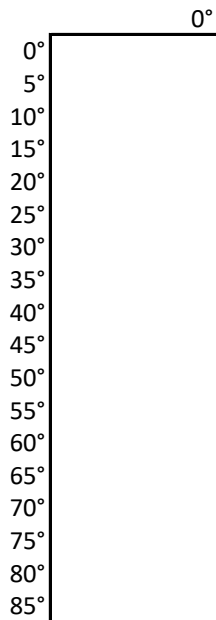
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1091.7	6.9
10°-20°	2933.6	18.6
20°-30°	3829.8	24.2
30°-40°	3296.4	20.9
40°-50°	1905.5	12.1
50°-60°	874.6	5.5
60°-70°	538.6	3.4
70°-80°	442.6	2.8
80°-90°	240.4	1.5
90°-100°	124.3	0.8
100°-110°	121.6	0.8
110°-120°	111.8	0.7
120°-130°	96.2	0.6
130°-140°	77.6	0.5
140°-150°	58.4	0.4
150°-160°	37.3	0.2
160°-170°	17.7	0.1
170°-180°	4.4	0.0
0°-30°	7855.0	49.7
0°-40°	11151.4	70.6
0°-60°	13931.5	88.2
0°-90°	15153.1	95.9
90°-120°	357.7	2.3
90°-150°	589.9	3.7
90°-180°	649.0	4.1
0°-180°	15802.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11724	
5°	11591	###
15°	10485	2934
25°	8401	3830
35°	5247	3296
45°	2344	1906
55°	945	875
65°	537	539
75°	423	443
85°	221	202
90°	114	69
95°	114	93
105°	115	122
115°	113	112
125°	107	96
135°	100	78
145°	93	58
155°	80	37
165°	61	18
175°	43	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11723.9
2.5°	11667.0
5°	11590.8
7.5°	11409.9
10°	11132.3
12.5°	10835.4
15°	10485.0
17.5°	10050.4
20°	9557.7
22.5°	9013.9
25°	8400.7
27.5°	7724.9
30°	6961.5
32.5°	6069.6
35°	5247.0
37.5°	4522.3
40°	3826.1
42.5°	3084.3
45°	2343.6
47.5°	1893.1
50°	1474.4
52.5°	1225.3
55°	945.4
57.5°	722.4
60°	608.7
62.5°	562.0
65°	537.0
67.5°	521.1
70°	497.2
72.5°	464.2
75°	423.2
77.5°	376.6
80°	326.5
82.5°	275.3
85°	220.7
87.5°	166.1
90°	113.8
92.5°	112.6
95°	113.8
97.5°	114.9
100°	114.9
102.5°	114.9
105°	114.9
107.5°	114.9
110°	114.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.8
115°	112.6
117.5°	111.5
120°	110.4
122.5°	109.2
125°	106.9
127.5°	105.8
130°	103.5
132.5°	102.4
135°	100.1
137.5°	97.8
140°	96.7
142.5°	94.4
145°	93.3
147.5°	91.0
150°	88.7
152.5°	85.3
155°	79.6
157.5°	75.1
160°	71.7
162.5°	66.0
165°	61.4
167.5°	56.9
170°	52.3
172.5°	46.6
175°	43.2
177.5°	42.1
180°	42.1

(END OF REPORT)