

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: P1504490

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504490
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 (3000K_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

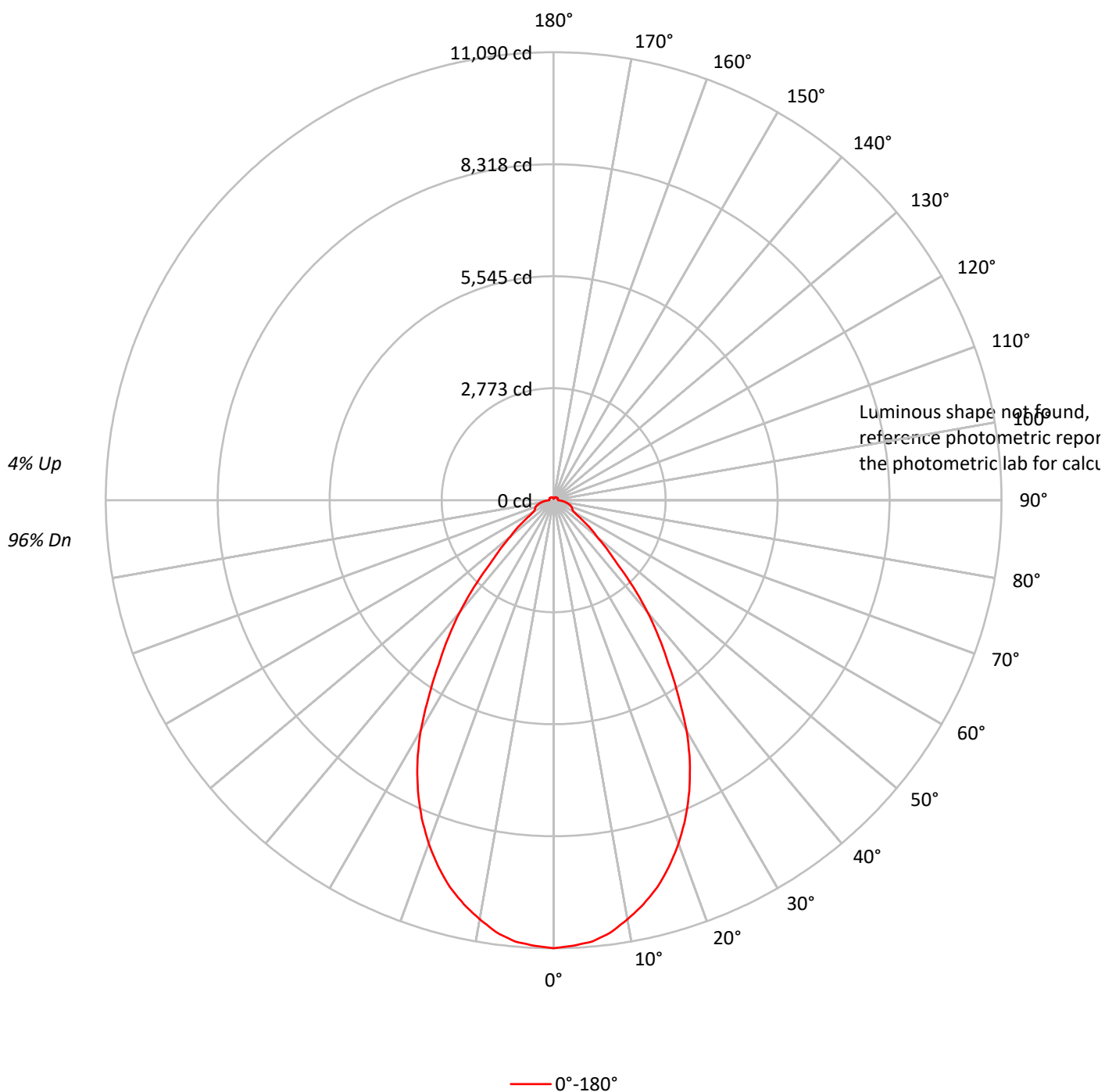
Lumens per Lamp: N/A
Luminaire Lumens: 14948.3 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



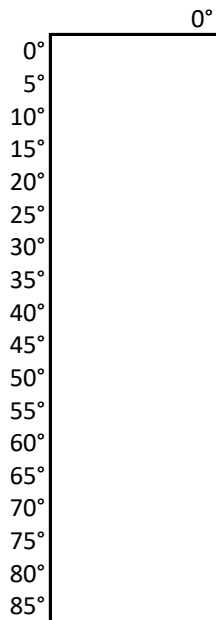
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1032.7	6.9
10°-20°	2775.0	18.6
20°-30°	3622.8	24.2
30°-40°	3118.2	20.9
40°-50°	1802.5	12.1
50°-60°	827.3	5.5
60°-70°	509.5	3.4
70°-80°	418.6	2.8
80°-90°	227.4	1.5
90°-100°	117.5	0.8
100°-110°	115.0	0.8
110°-120°	105.8	0.7
120°-130°	91.1	0.6
130°-140°	73.4	0.5
140°-150°	55.3	0.4
150°-160°	35.3	0.2
160°-170°	16.8	0.1
170°-180°	4.2	0.0
0°-30°	7430.4	49.7
0°-40°	10548.7	70.6
0°-60°	13178.5	88.2
0°-90°	14334.0	95.9
90°-120°	338.3	2.3
90°-150°	558.1	3.7
90°-180°	614.0	4.1
0°-180°	14948.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11090	
5°	10964	###
15°	9918	2775
25°	7947	3623
35°	4963	3118
45°	2217	1803
55°	894	827
65°	508	509
75°	400	419
85°	209	191
90°	108	66
95°	108	88
105°	109	115
115°	106	106
125°	101	91
135°	95	73
145°	88	55
155°	75	35
165°	58	17
175°	41	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11090.2
2.5°	11036.4
5°	10964.3
7.5°	10793.2
10°	10530.6
12.5°	10249.7
15°	9918.2
17.5°	9507.1
20°	9041.1
22.5°	8526.7
25°	7946.6
27.5°	7307.4
30°	6585.2
32.5°	5741.5
35°	4963.4
37.5°	4277.9
40°	3619.2
42.5°	2917.6
45°	2217.0
47.5°	1790.8
50°	1394.8
52.5°	1159.1
55°	894.3
57.5°	683.4
60°	575.8
62.5°	531.6
65°	508.0
67.5°	492.9
70°	470.3
72.5°	439.1
75°	400.3
77.5°	356.2
80°	308.9
82.5°	260.4
85°	208.8
87.5°	157.1
90°	107.6
92.5°	106.5
95°	107.6
97.5°	108.7
100°	108.7
102.5°	108.7
105°	108.7
107.5°	108.7
110°	108.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.6
115°	106.5
117.5°	105.5
120°	104.4
122.5°	103.3
125°	101.2
127.5°	100.1
130°	97.9
132.5°	96.9
135°	94.7
137.5°	92.6
140°	91.5
142.5°	89.3
145°	88.2
147.5°	86.1
150°	83.9
152.5°	80.7
155°	75.3
157.5°	71.0
160°	67.8
162.5°	62.4
165°	58.1
167.5°	53.8
170°	49.5
172.5°	44.1
175°	40.9
177.5°	39.8
180°	39.8

(END OF REPORT)