

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: P1504526

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504526
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 (6500K_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

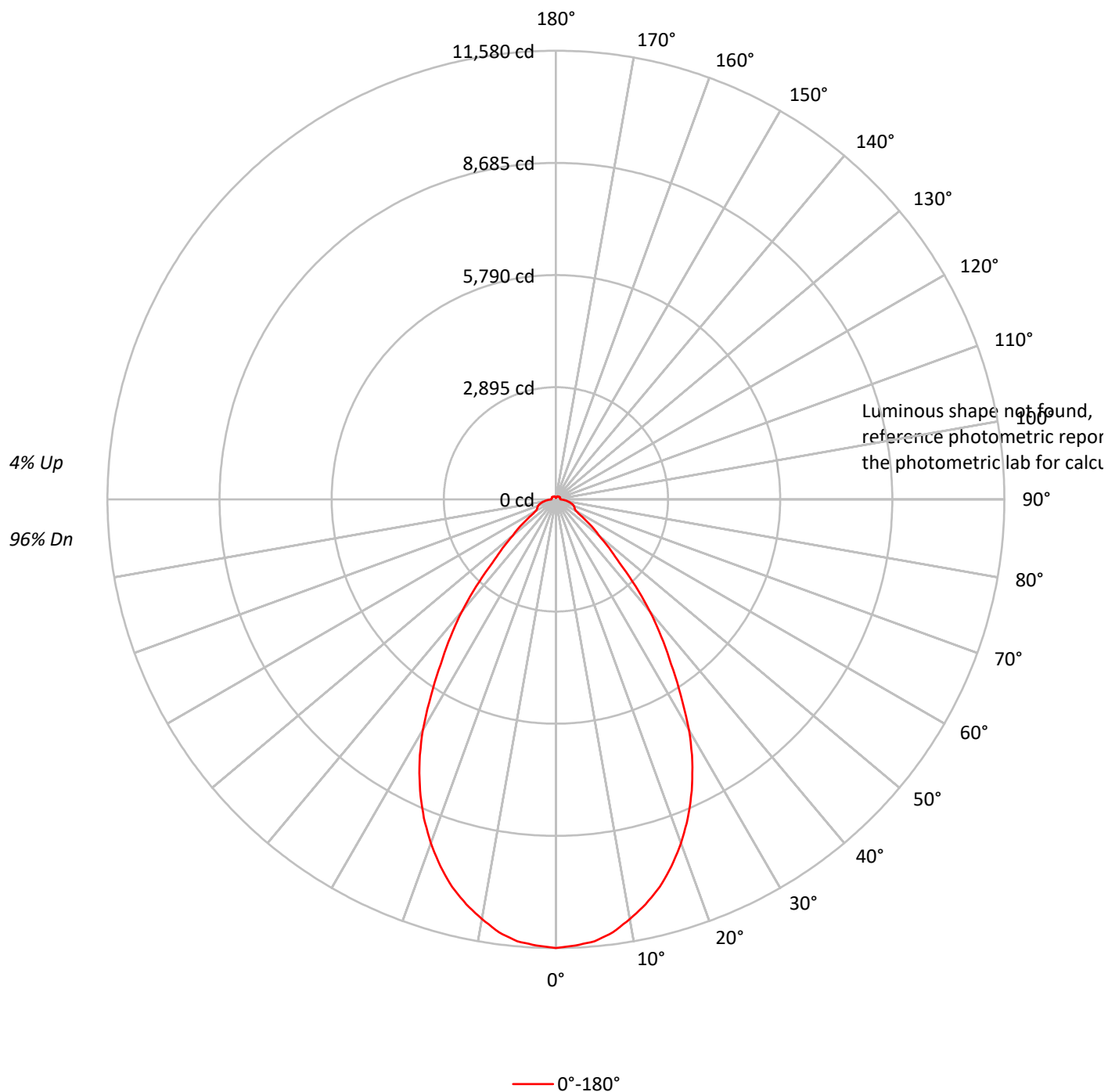
Lumens per Lamp: N/A
Luminaire Lumens: 15608.8 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





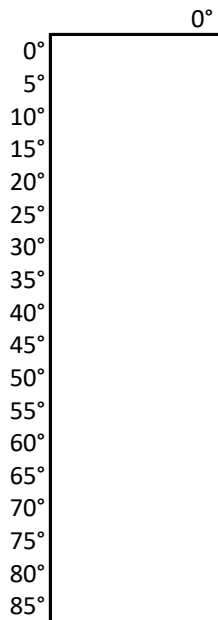
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	1078.3	6.9
10°-20°	2897.6	18.6
20°-30°	3782.8	24.2
30°-40°	3256.0	20.9
40°-50°	1882.2	12.1
50°-60°	863.9	5.5
60°-70°	532.0	3.4
70°-80°	437.1	2.8
80°-90°	237.4	1.5
90°-100°	122.8	0.8
100°-110°	120.1	0.8
110°-120°	110.5	0.7
120°-130°	95.1	0.6
130°-140°	76.7	0.5
140°-150°	57.7	0.4
150°-160°	36.9	0.2
160°-170°	17.5	0.1
170°-180°	4.4	0.0
0°-30°	7758.7	49.7
0°-40°	11014.7	70.6
0°-60°	13760.7	88.2
0°-90°	14967.3	95.9
90°-120°	353.3	2.3
90°-150°	582.8	3.7
90°-180°	642.0	4.1
0°-180°	15608.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11580	
5°	11449	###
15°	10356	2898
25°	8298	3783
35°	5183	3256
45°	2315	1882
55°	934	864
65°	530	532
75°	418	437
85°	218	200
90°	112	69
95°	112	92
105°	114	120
115°	111	110
125°	106	95
135°	99	77
145°	92	58
155°	79	37
165°	61	18
175°	43	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11580.1
2.5°	11523.9
5°	11448.6
7.5°	11270.0
10°	10995.8
12.5°	10702.5
15°	10356.4
17.5°	9927.1
20°	9440.5
22.5°	8903.4
25°	8297.7
27.5°	7630.2
30°	6876.2
32.5°	5995.1
35°	5182.7
37.5°	4466.9
40°	3779.1
42.5°	3046.5
45°	2314.9
47.5°	1869.9
50°	1456.4
52.5°	1210.3
55°	933.8
57.5°	713.6
60°	601.2
62.5°	555.1
65°	530.4
67.5°	514.7
70°	491.1
72.5°	458.5
75°	418.0
77.5°	372.0
80°	322.5
82.5°	271.9
85°	218.0
87.5°	164.1
90°	112.4
92.5°	111.3
95°	112.4
97.5°	113.5
100°	113.5
102.5°	113.5
105°	113.5
107.5°	113.5
110°	113.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.4
115°	111.3
117.5°	110.1
120°	109.0
122.5°	107.9
125°	105.6
127.5°	104.5
130°	102.3
132.5°	101.1
135°	98.9
137.5°	96.6
140°	95.5
142.5°	93.3
145°	92.1
147.5°	89.9
150°	87.7
152.5°	84.3
155°	78.7
157.5°	74.2
160°	70.8
162.5°	65.2
165°	60.7
167.5°	56.2
170°	51.7
172.5°	46.1
175°	42.7
177.5°	41.6
180°	41.6

(END OF REPORT)