

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: P1504850

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504850
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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-B-06-TRWH-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

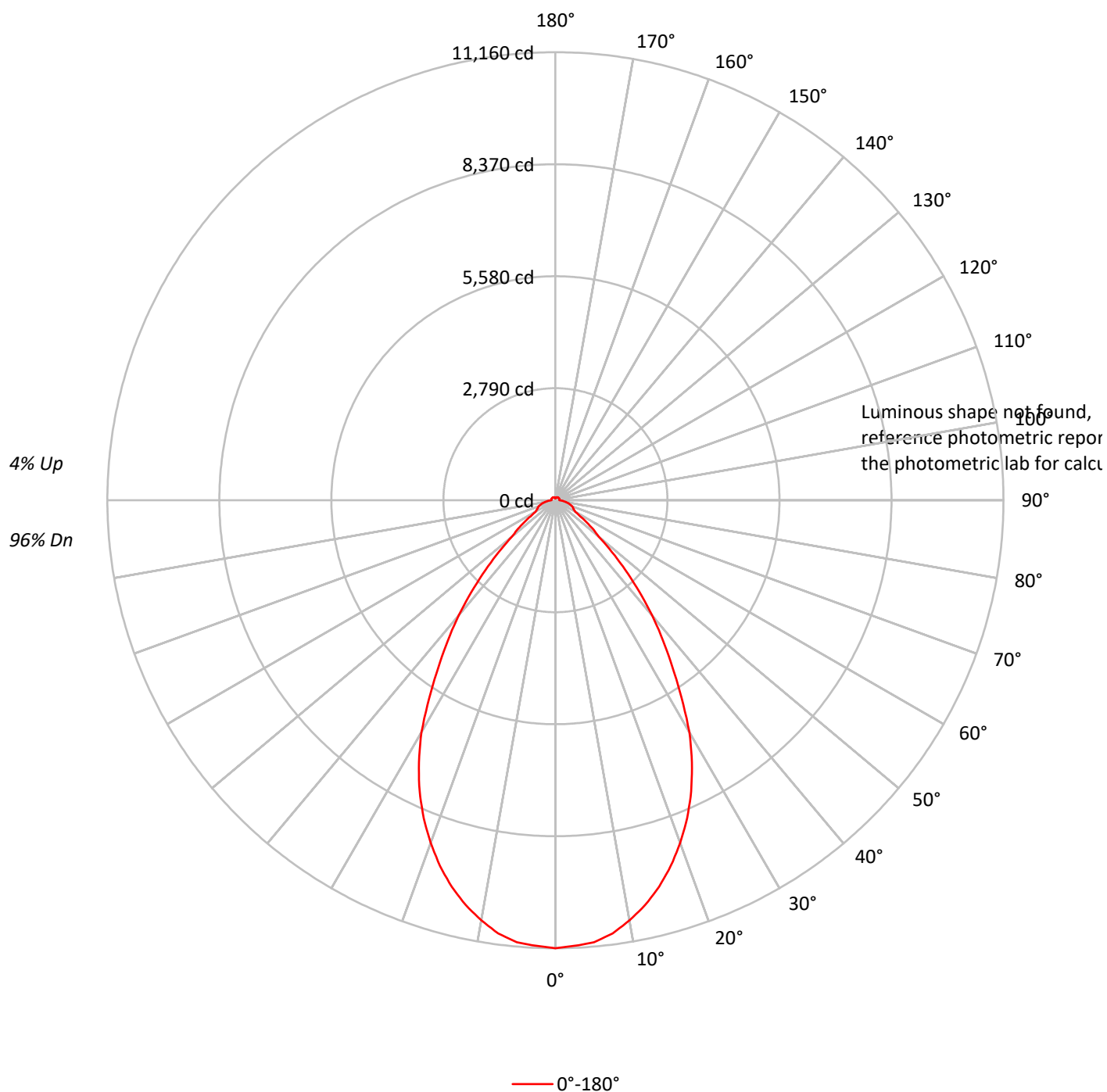
Lumens per Lamp: N/A
Luminaire Lumens: 15078.4 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





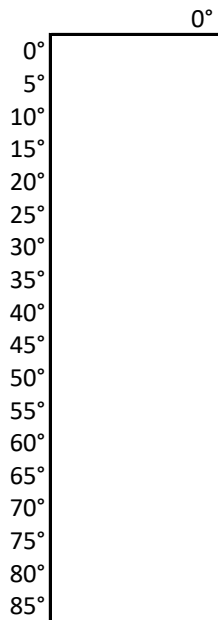
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	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°	1041.2	6.9
10°-20°	2791.5	18.5
20°-30°	3648.7	24.2
30°-40°	3188.0	21.1
40°-50°	1919.2	12.7
50°-60°	838.9	5.6
60°-70°	492.5	3.3
70°-80°	379.0	2.5
80°-90°	194.9	1.3
90°-100°	105.9	0.7
100°-110°	105.7	0.7
110°-120°	99.2	0.7
120°-130°	87.2	0.6
130°-140°	71.6	0.5
140°-150°	54.6	0.4
150°-160°	36.6	0.2
160°-170°	18.6	0.1
170°-180°	5.1	0.0
0°-30°	7481.4	49.6
0°-40°	10669.4	70.8
0°-60°	13427.6	89.1
0°-90°	14494.0	96.1
90°-120°	310.8	2.1
90°-150°	524.2	3.5
90°-180°	584.0	3.9
0°-180°	15078.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11160	
5°	11053	###
15°	9969	2792
25°	8001	3649
35°	5075	3188
45°	2461	1919
55°	916	839
65°	491	493
75°	361	379
85°	177	163
90°	97	58
95°	97	80
105°	100	106
115°	100	99
125°	97	87
135°	93	72
145°	86	55
155°	79	37
165°	65	19
175°	52	5
180°	52	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11160.5
2.5°	11108.7
5°	11052.6
7.5°	10886.5
10°	10626.4
12.5°	10328.7
15°	9969.4
17.5°	9552.9
20°	9083.6
22.5°	8571.1
25°	8001.4
27.5°	7363.7
30°	6671.1
32.5°	5846.8
35°	5075.3
37.5°	4396.7
40°	3745.0
42.5°	3094.4
45°	2461.1
47.5°	1909.7
50°	1406.9
52.5°	1171.7
55°	916.0
57.5°	697.0
60°	571.8
62.5°	520.0
65°	490.9
67.5°	470.4
70°	441.3
72.5°	404.6
75°	361.4
77.5°	315.0
80°	267.6
82.5°	222.3
85°	176.9
87.5°	133.8
90°	97.1
92.5°	94.9
95°	97.1
97.5°	98.2
100°	99.3
102.5°	99.3
105°	100.3
107.5°	100.3
110°	100.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.3
115°	100.3
117.5°	99.3
120°	99.3
122.5°	98.2
125°	97.1
127.5°	96.0
130°	94.9
132.5°	93.9
135°	92.8
137.5°	90.6
140°	89.6
142.5°	88.5
145°	86.3
147.5°	85.2
150°	84.2
152.5°	82.0
155°	78.8
157.5°	75.5
160°	72.3
162.5°	69.1
165°	64.7
167.5°	61.5
170°	57.2
172.5°	52.9
175°	51.8
177.5°	51.8
180°	51.8

(END OF REPORT)