

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: P1504875

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504875
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

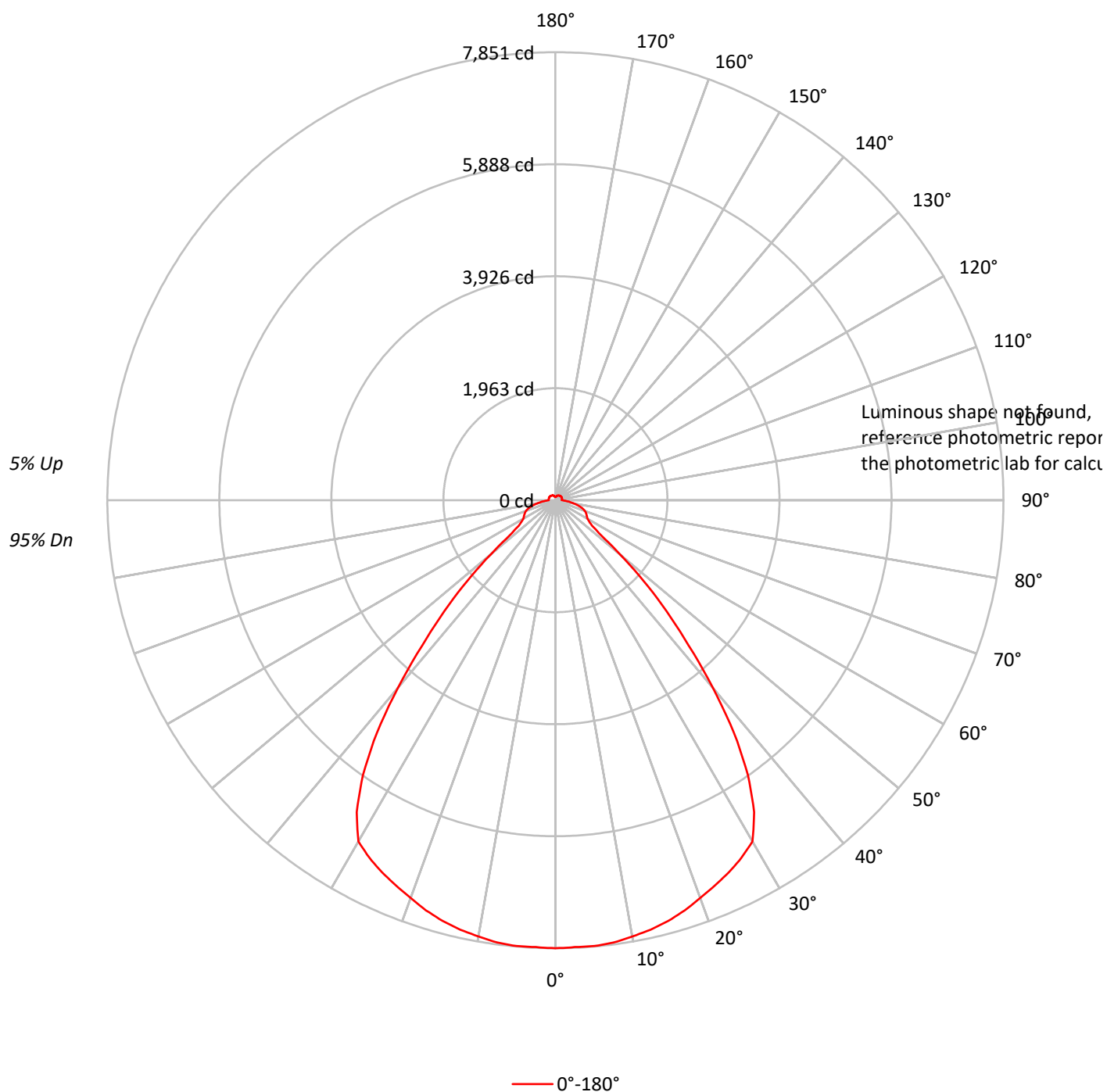
Lumens per Lamp: N/A
Luminaire Lumens: 14740.0 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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



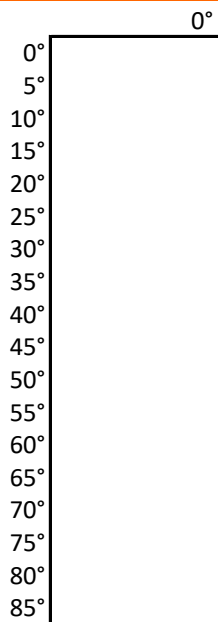
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																	
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	89	88	86
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77
3	95	86	80	75	92	85	79	74	81	76	72	78	74	70	75	71	68
4	89	79	71	66	86	77	70	65	74	68	64	71	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	60	56	64	59	55
6	77	66	58	53	75	65	58	53	63	56	52	61	55	51	59	54	50
7	72	61	53	48	70	60	53	48	58	52	47	56	51	46	55	50	46
8	68	56	49	44	66	55	48	43	54	47	43	52	47	42	51	46	42
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	47	42	39
10	60	48	41	37	59	48	41	37	47	40	36	45	40	36	44	39	36

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	746.0	5.1
10°-20°	2154.2	14.6
20°-30°	3317.0	22.5
30°-40°	3595.8	24.4
40°-50°	2137.9	14.5
50°-60°	790.6	5.4
60°-70°	595.1	4.0
70°-80°	473.0	3.2
80°-90°	233.0	1.6
90°-100°	127.0	0.9
100°-110°	127.1	0.9
110°-120°	119.3	0.8
120°-130°	104.7	0.7
130°-140°	85.4	0.6
140°-150°	64.4	0.4
150°-160°	42.6	0.3
160°-170°	21.3	0.1
170°-180°	5.7	0.0
0°-30°	6217.2	42.2
0°-40°	9812.9	66.6
0°-60°	12741.5	86.4
0°-90°	14042.6	95.3
90°-120°	373.4	2.5
90°-150°	627.9	4.3
90°-180°	697.0	4.7
0°-180°	14740.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7851	
5°	7842	746
15°	7633	2154
25°	7193	3317
35°	5881	3596
45°	2753	2138
55°	783	791
65°	601	595
75°	454	473
85°	209	195
90°	116	69
95°	116	95
105°	120	127
115°	120	119
125°	117	105
135°	110	85
145°	102	64
155°	92	43
165°	74	21
175°	57	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7851.0
2.5°	7838.3
5°	7842.2
7.5°	7817.9
10°	7763.3
12.5°	7707.7
15°	7632.6
17.5°	7536.0
20°	7419.0
22.5°	7305.9
25°	7192.8
27.5°	7062.1
30°	6906.1
32.5°	6479.9
35°	5881.2
37.5°	5140.1
40°	4293.6
42.5°	3456.9
45°	2752.9
47.5°	2093.7
50°	1487.1
52.5°	996.6
55°	783.1
57.5°	706.0
60°	648.5
62.5°	623.1
65°	600.7
67.5°	578.3
70°	548.0
72.5°	506.1
75°	454.4
77.5°	393.0
80°	328.6
82.5°	266.2
85°	208.7
87.5°	158.0
90°	116.0
92.5°	114.1
95°	116.0
97.5°	118.0
100°	119.0
102.5°	119.9
105°	119.9
107.5°	120.9
110°	120.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.9
115°	119.9
117.5°	119.9
120°	119.0
122.5°	118.0
125°	117.0
127.5°	115.1
130°	114.1
132.5°	112.1
135°	110.2
137.5°	108.2
140°	106.3
142.5°	104.3
145°	102.4
147.5°	100.4
150°	98.5
152.5°	95.6
155°	91.7
157.5°	87.8
160°	83.9
162.5°	79.0
165°	74.1
167.5°	69.2
170°	64.4
172.5°	59.5
175°	56.6
177.5°	57.5
180°	56.6

(END OF REPORT)