

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: P1504867

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504867
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

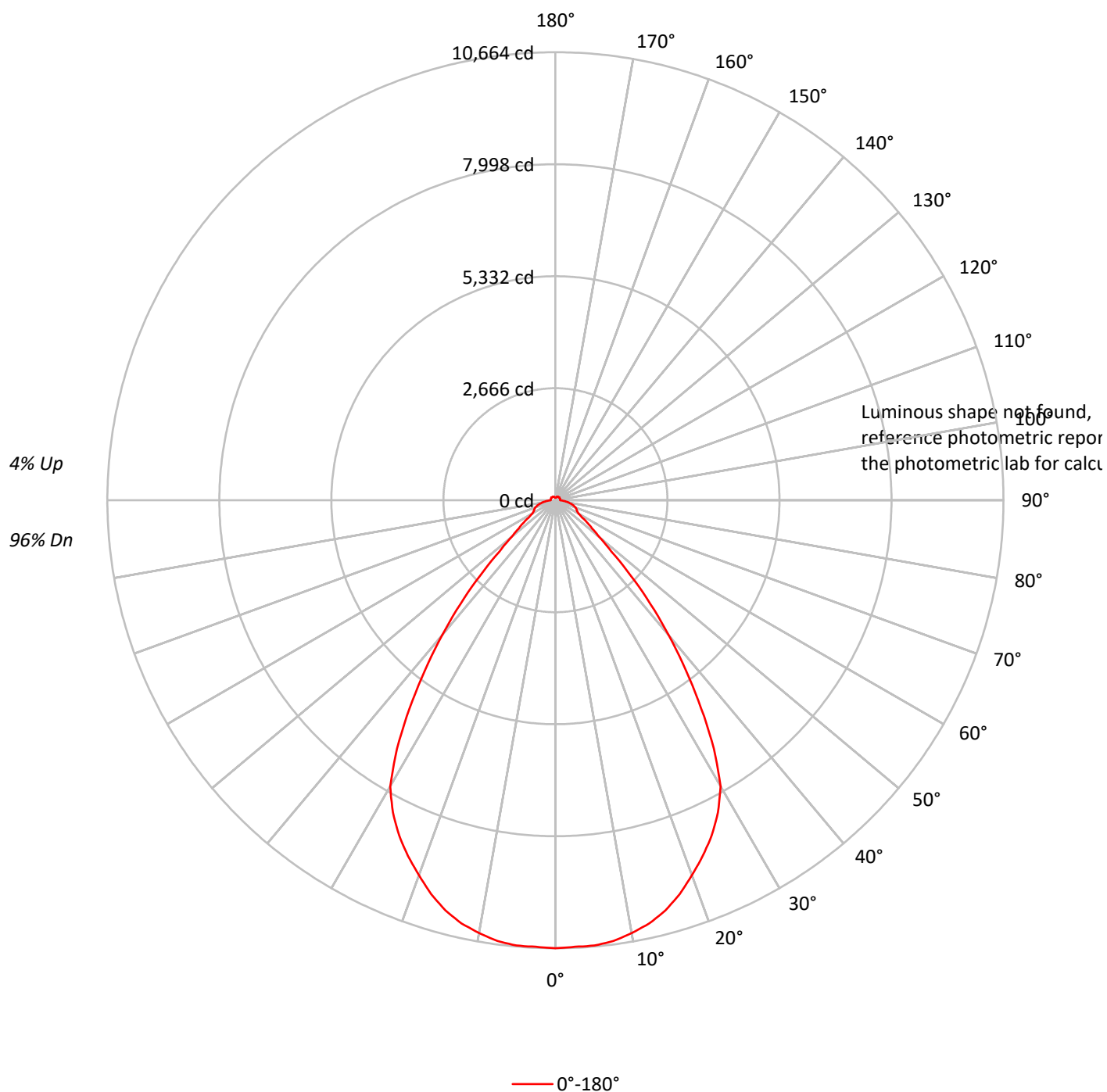
Lumens per Lamp: N/A
Luminaire Lumens: 16355.2 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





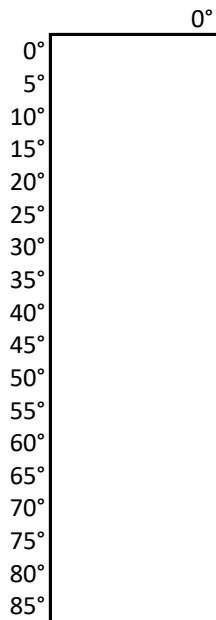
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	79	79	79	79	76			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	71	71	71	71	69			
4	90	81	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53	53	53	53	53	51			
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49	49	49	49	49	47			
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45	45	45	45	45	43			
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42	42	42	42	42	40			
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	39	39	39	39	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1009.9	6.2
10°-20°	2837.7	17.4
20°-30°	4031.1	24.6
30°-40°	3754.6	23.0
40°-50°	1994.9	12.2
50°-60°	834.5	5.1
60°-70°	560.3	3.4
70°-80°	442.1	2.7
80°-90°	227.2	1.4
90°-100°	120.3	0.7
100°-110°	120.2	0.7
110°-120°	112.6	0.7
120°-130°	99.1	0.6
130°-140°	81.2	0.5
140°-150°	61.8	0.4
150°-160°	41.1	0.3
160°-170°	20.9	0.1
170°-180°	5.7	0.0
0°-30°	7878.7	48.2
0°-40°	11633.3	71.1
0°-60°	14462.7	88.4
0°-90°	15692.3	95.9
90°-120°	353.1	2.2
90°-150°	595.2	3.6
90°-180°	663.0	4.1
0°-180°	16355.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10664	
5°	10640	###
15°	10112	2838
25°	8801	4031
35°	6052	3755
45°	2531	1995
55°	910	834
65°	560	560
75°	421	442
85°	206	191
90°	109	66
95°	110	91
105°	114	120
115°	114	113
125°	110	99
135°	105	81
145°	98	62
155°	89	41
165°	73	21
175°	57	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10663.8
2.5°	10638.8
5°	10639.9
7.5°	10580.7
10°	10462.3
12.5°	10316.6
15°	10111.7
17.5°	9830.5
20°	9499.2
22.5°	9164.5
25°	8801.3
27.5°	8377.8
30°	7863.2
32.5°	7016.2
35°	6052.0
37.5°	5102.5
40°	4191.8
42.5°	3348.2
45°	2530.8
47.5°	1806.7
50°	1363.9
52.5°	1100.9
55°	909.6
57.5°	738.9
60°	634.1
62.5°	589.7
65°	560.1
67.5°	539.6
70°	508.9
72.5°	469.0
75°	421.2
77.5°	371.1
80°	317.6
82.5°	260.7
85°	206.1
87.5°	153.7
90°	109.3
92.5°	108.2
95°	110.4
97.5°	111.6
100°	112.7
102.5°	113.8
105°	113.8
107.5°	113.8
110°	113.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	113.8
115°	113.8
117.5°	112.7
120°	112.7
122.5°	111.6
125°	110.4
127.5°	109.3
130°	108.2
132.5°	105.9
135°	104.7
137.5°	103.6
140°	101.3
142.5°	100.2
145°	97.9
147.5°	96.8
150°	94.5
152.5°	92.2
155°	88.8
157.5°	84.2
160°	82.0
162.5°	77.4
165°	72.9
167.5°	68.3
170°	63.8
172.5°	59.2
175°	56.9
177.5°	58.1
180°	56.9

(END OF REPORT)