

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: P1504486

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504486
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

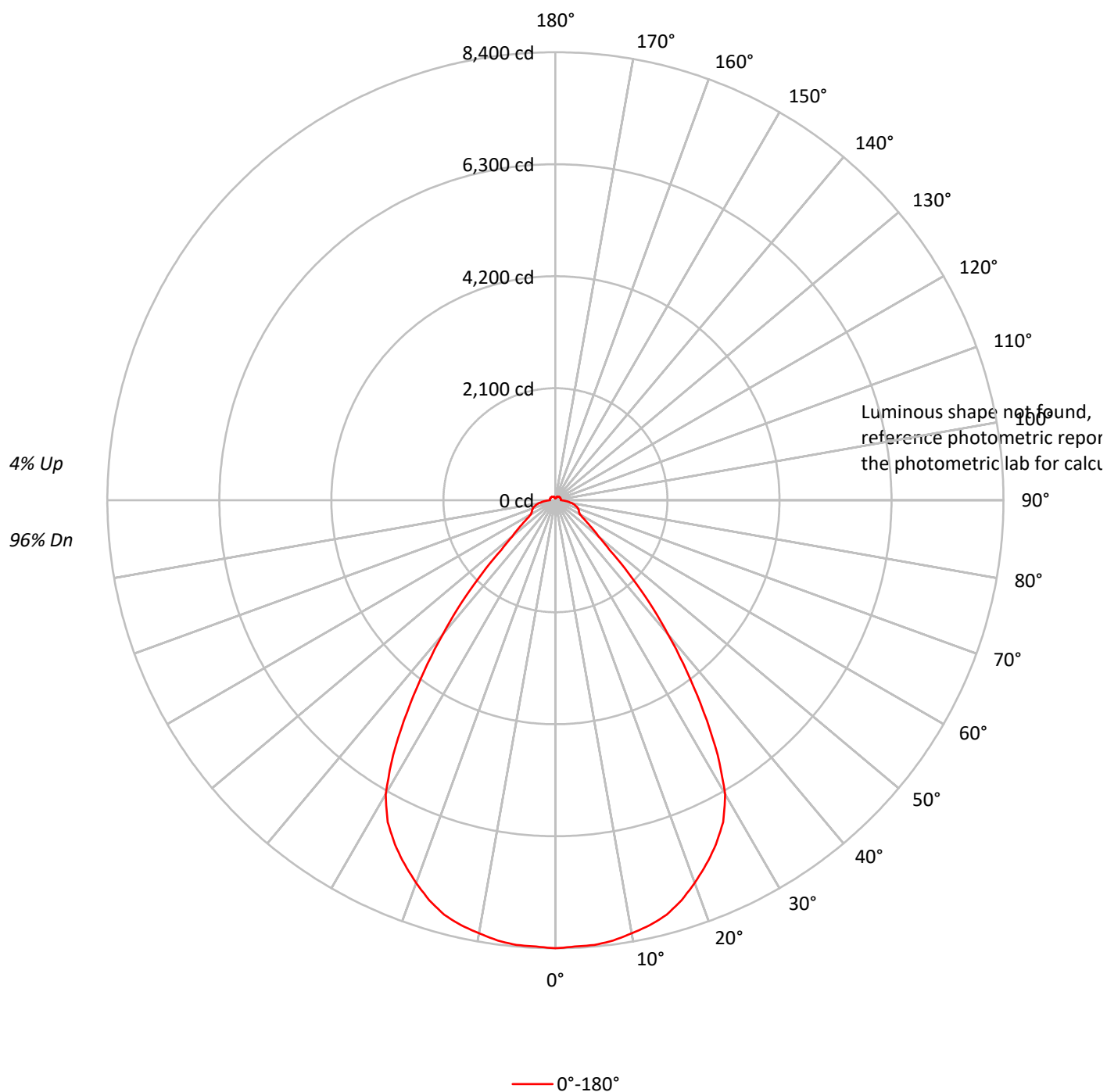
Lumens per Lamp: N/A
Luminaire Lumens: 13226.2 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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



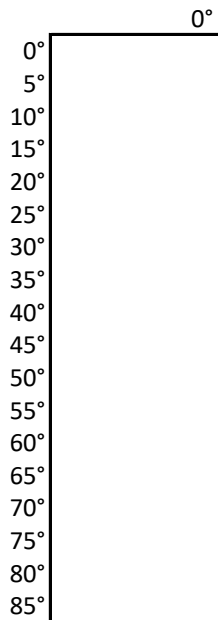
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	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°	794.9	6.0
10°-20°	2260.0	17.1
20°-30°	3259.8	24.6
30°-40°	3005.7	22.7
40°-50°	1540.5	11.6
50°-60°	668.7	5.1
60°-70°	483.9	3.7
70°-80°	408.3	3.1
80°-90°	224.4	1.7
90°-100°	112.0	0.8
100°-110°	109.3	0.8
110°-120°	99.9	0.8
120°-130°	85.9	0.6
130°-140°	69.3	0.5
140°-150°	51.7	0.4
150°-160°	32.9	0.2
160°-170°	15.4	0.1
170°-180°	3.7	0.0
0°-30°	6314.7	47.7
0°-40°	9320.3	70.5
0°-60°	11529.6	87.2
0°-90°	12646.2	95.6
90°-120°	321.2	2.4
90°-150°	528.0	4.0
90°-180°	580.0	4.4
0°-180°	13226.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8400	
5°	8370	795
15°	8048	2260
25°	7120	3260
35°	4848	3006
45°	1933	1541
55°	727	669
65°	486	484
75°	390	408
85°	207	189
90°	103	63
95°	102	84
105°	103	109
115°	101	100
125°	96	86
135°	90	69
145°	82	52
155°	70	33
165°	53	15
175°	37	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8399.7
2.5°	8374.8
5°	8370.2
7.5°	8325.9
10°	8242.8
12.5°	8163.5
15°	8048.1
17.5°	7863.5
20°	7634.6
22.5°	7388.2
25°	7120.5
27.5°	6806.7
30°	6362.8
32.5°	5661.4
35°	4848.2
37.5°	4047.1
40°	3289.4
42.5°	2597.2
45°	1932.6
47.5°	1379.8
50°	1057.7
52.5°	876.8
55°	727.3
57.5°	603.6
60°	530.7
62.5°	503.9
65°	485.5
67.5°	471.6
70°	451.3
72.5°	424.6
75°	390.4
77.5°	351.6
80°	307.3
82.5°	259.3
85°	206.7
87.5°	152.3
90°	103.4
92.5°	101.5
95°	102.4
97.5°	103.4
100°	103.4
102.5°	103.4
105°	103.4
107.5°	103.4
110°	102.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	101.5
115°	100.6
117.5°	99.7
120°	98.8
122.5°	96.9
125°	96.0
127.5°	94.1
130°	92.3
132.5°	91.4
135°	89.5
137.5°	87.7
140°	85.8
142.5°	84.0
145°	82.1
147.5°	80.3
150°	78.5
152.5°	74.8
155°	70.1
157.5°	66.5
160°	62.8
162.5°	58.1
165°	52.6
167.5°	48.9
170°	44.3
172.5°	39.7
175°	36.9
177.5°	35.1
180°	35.1

(END OF REPORT)