

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: P1504497

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504497
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

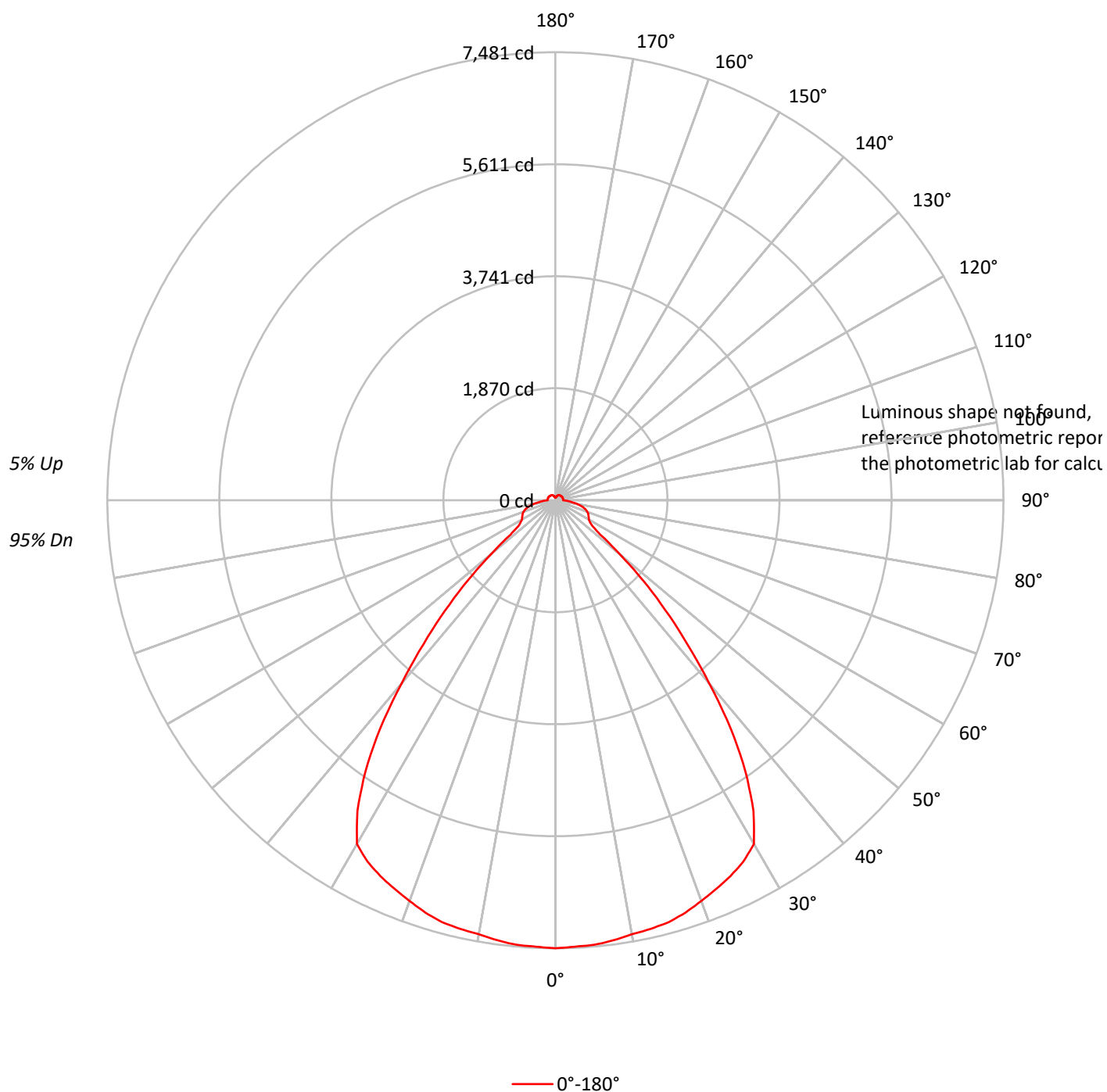
Lumens per Lamp: N/A
Luminaire Lumens: 14224.9 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.3
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





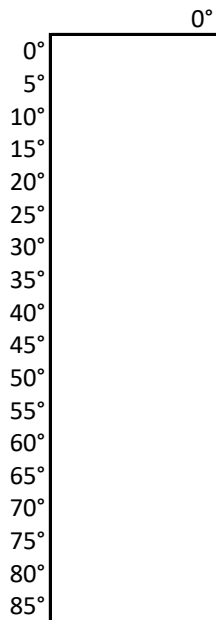
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	43			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	41	41	41	41	40			
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.2	5.0
10°-20°	2058.1	14.5
20°-30°	3189.7	22.4
30°-40°	3393.1	23.9
40°-50°	2014.8	14.2
50°-60°	759.6	5.3
60°-70°	603.9	4.2
70°-80°	512.5	3.6
80°-90°	267.4	1.9
90°-100°	139.0	1.0
100°-110°	136.1	1.0
110°-120°	124.5	0.9
120°-130°	106.6	0.7
130°-140°	85.5	0.6
140°-150°	63.5	0.4
150°-160°	39.8	0.3
160°-170°	18.2	0.1
170°-180°	4.3	0.0
0°-30°	5956.0	41.9
0°-40°	9349.1	65.7
0°-60°	12123.5	85.2
0°-90°	13507.3	95.0
90°-120°	399.6	2.8
90°-150°	655.3	4.6
90°-180°	718.0	5.0
0°-180°	14224.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7481	
5°	7453	708
15°	7296	2058
25°	6922	3190
35°	5533	3393
45°	2599	2015
55°	757	760
65°	609	604
75°	493	513
85°	242	225
90°	128	77
95°	127	104
105°	129	136
115°	125	125
125°	120	107
135°	110	86
145°	100	63
155°	85	40
165°	63	18
175°	42	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7481.3
2.5°	7461.4
5°	7452.8
7.5°	7412.1
10°	7360.8
12.5°	7331.5
15°	7296.4
17.5°	7220.5
20°	7120.9
22.5°	7023.2
25°	6921.8
27.5°	6801.3
30°	6626.9
32.5°	6152.7
35°	5533.4
37.5°	4815.6
40°	3992.4
42.5°	3262.2
45°	2599.3
47.5°	1986.7
50°	1405.4
52.5°	941.7
55°	756.8
57.5°	688.5
60°	644.9
62.5°	626.8
65°	608.8
67.5°	592.7
70°	569.0
72.5°	536.7
75°	493.1
77.5°	439.1
80°	374.6
82.5°	307.3
85°	241.8
87.5°	181.1
90°	128.0
92.5°	126.1
95°	127.1
97.5°	128.0
100°	129.0
102.5°	129.0
105°	129.0
107.5°	128.0
110°	128.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.1
115°	125.2
117.5°	124.2
120°	122.3
122.5°	120.4
125°	119.5
127.5°	116.6
130°	114.7
132.5°	112.8
135°	110.0
137.5°	108.1
140°	106.2
142.5°	103.4
145°	100.5
147.5°	98.6
150°	95.8
152.5°	91.0
155°	85.3
157.5°	79.7
160°	74.9
162.5°	69.2
165°	62.6
167.5°	56.9
170°	51.2
172.5°	46.5
175°	41.7
177.5°	39.8
180°	39.8

(END OF REPORT)