

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: P1504494

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504494
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_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

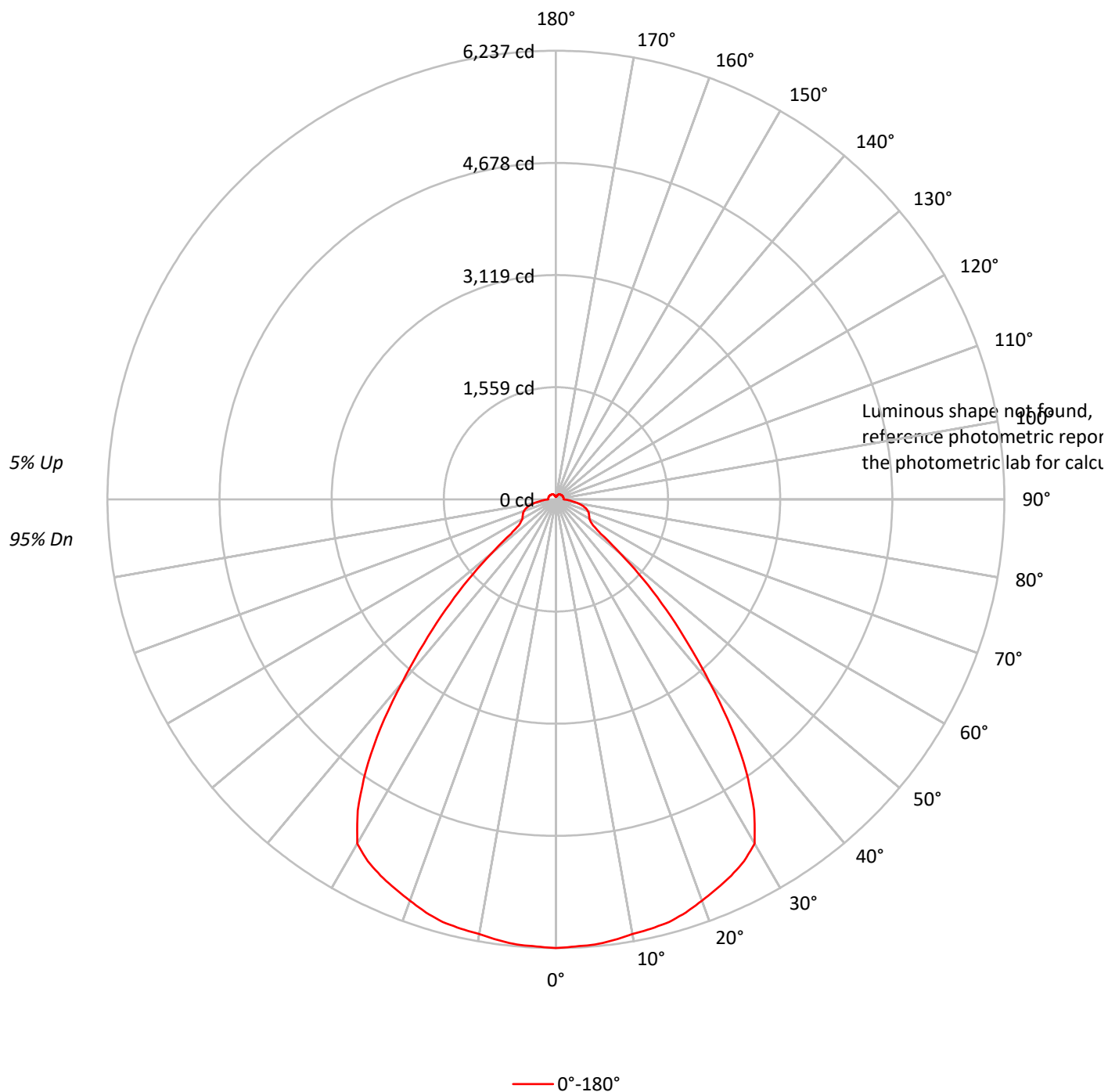
Lumens per Lamp: N/A
Luminaire Lumens: 11859.3 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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





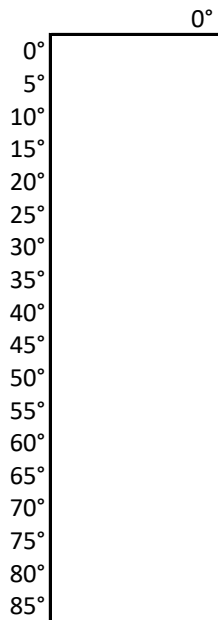
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	590.4	5.0
10°-20°	1715.8	14.5
20°-30°	2659.3	22.4
30°-40°	2828.8	23.9
40°-50°	1679.8	14.2
50°-60°	633.3	5.3
60°-70°	503.4	4.2
70°-80°	427.3	3.6
80°-90°	222.9	1.9
90°-100°	115.9	1.0
100°-110°	113.4	1.0
110°-120°	103.8	0.9
120°-130°	88.9	0.7
130°-140°	71.3	0.6
140°-150°	52.9	0.4
150°-160°	33.2	0.3
160°-170°	15.2	0.1
170°-180°	3.6	0.0
0°-30°	4965.5	41.9
0°-40°	7794.3	65.7
0°-60°	10107.4	85.2
0°-90°	11261.1	95.0
90°-120°	333.1	2.8
90°-150°	546.3	4.6
90°-180°	598.0	5.0
0°-180°	11859.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6237	
5°	6213	590
15°	6083	1716
25°	5771	2659
35°	4613	2829
45°	2167	1680
55°	631	633
65°	508	503
75°	411	427
85°	202	188
90°	107	64
95°	106	87
105°	108	113
115°	104	104
125°	100	89
135°	92	71
145°	84	53
155°	71	33
165°	52	15
175°	35	4
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6237.1
2.5°	6220.5
5°	6213.4
7.5°	6179.4
10°	6136.7
12.5°	6112.2
15°	6083.0
17.5°	6019.7
20°	5936.7
22.5°	5855.3
25°	5770.7
27.5°	5670.3
30°	5524.8
32.5°	5129.5
35°	4613.2
37.5°	4014.7
40°	3328.5
42.5°	2719.7
45°	2167.1
47.5°	1656.3
50°	1171.7
52.5°	785.1
55°	630.9
57.5°	574.0
60°	537.6
62.5°	522.6
65°	507.6
67.5°	494.1
70°	474.4
72.5°	447.5
75°	411.1
77.5°	366.1
80°	312.3
82.5°	256.2
85°	201.6
87.5°	151.0
90°	106.7
92.5°	105.2
95°	105.9
97.5°	106.7
100°	107.5
102.5°	107.5
105°	107.5
107.5°	106.7
110°	106.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.9
115°	104.4
117.5°	103.6
120°	102.0
122.5°	100.4
125°	99.6
127.5°	97.2
130°	95.7
132.5°	94.1
135°	91.7
137.5°	90.1
140°	88.5
142.5°	86.2
145°	83.8
147.5°	82.2
150°	79.9
152.5°	75.9
155°	71.2
157.5°	66.4
160°	62.5
162.5°	57.7
165°	52.2
167.5°	47.4
170°	42.7
172.5°	38.7
175°	34.8
177.5°	33.2
180°	33.2

(END OF REPORT)