

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: P1504507

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504507
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

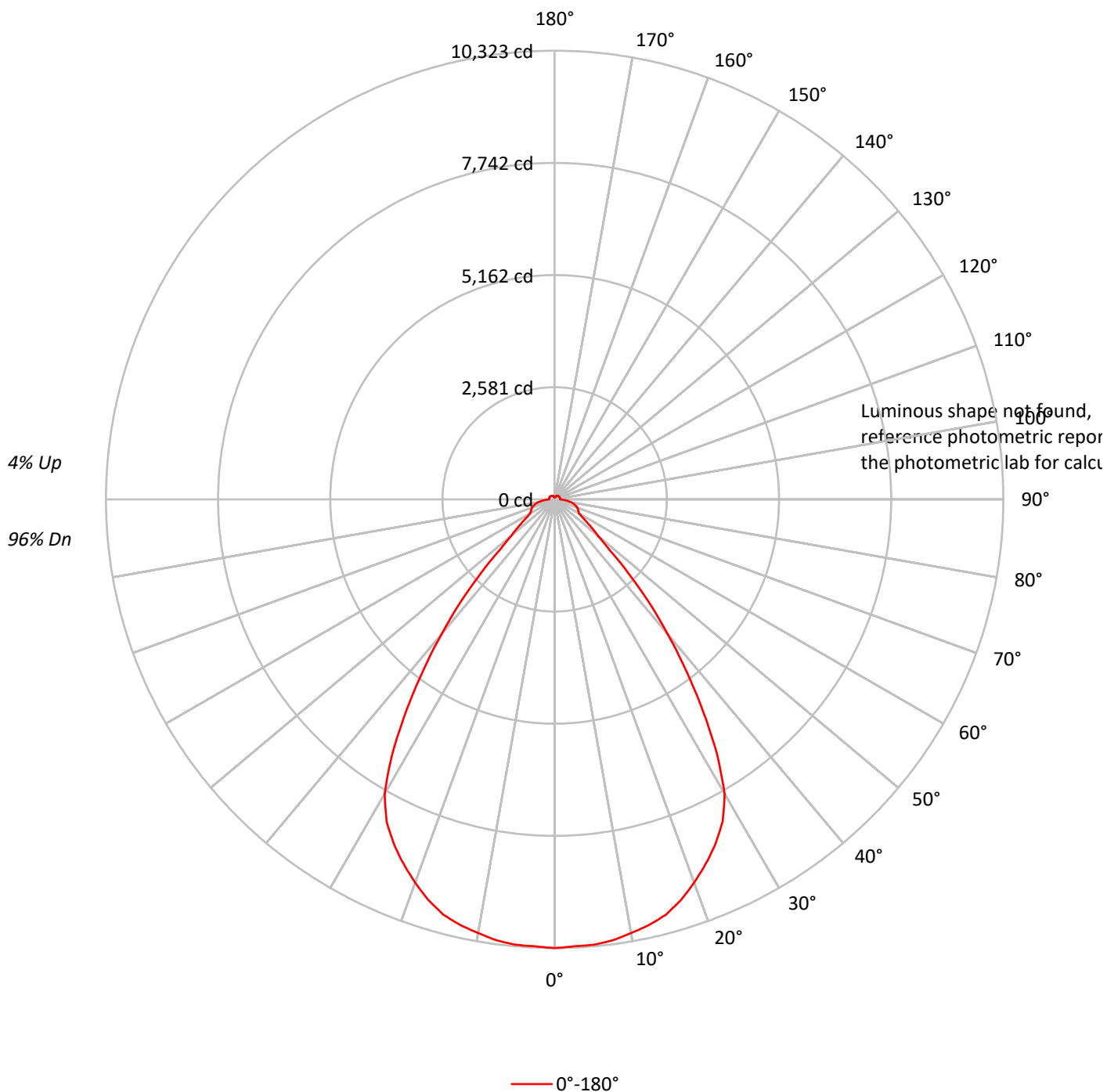
Lumens per Lamp: N/A
Luminaire Lumens: 16255.2 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





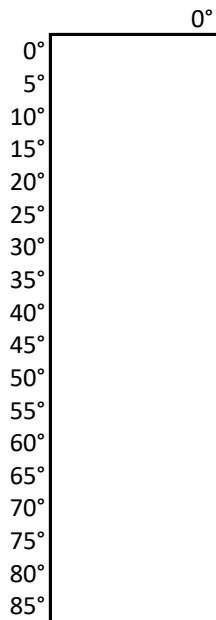
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	976.9	6.0
10°-20°	2777.6	17.1
20°-30°	4006.3	24.6
30°-40°	3694.1	22.7
40°-50°	1893.3	11.6
50°-60°	821.8	5.1
60°-70°	594.8	3.7
70°-80°	501.8	3.1
80°-90°	275.8	1.7
90°-100°	137.7	0.8
100°-110°	134.2	0.8
110°-120°	122.8	0.8
120°-130°	105.5	0.6
130°-140°	85.2	0.5
140°-150°	63.5	0.4
150°-160°	40.4	0.2
160°-170°	18.9	0.1
170°-180°	4.6	0.0
0°-30°	7760.8	47.7
0°-40°	11454.9	70.5
0°-60°	14170.0	87.2
0°-90°	15542.4	95.6
90°-120°	394.6	2.4
90°-150°	648.9	4.0
90°-180°	713.0	4.4
0°-180°	16255.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10323	
5°	10287	977
15°	9891	2778
25°	8751	4006
35°	5959	3694
45°	2375	1893
55°	894	822
65°	597	595
75°	480	502
85°	254	233
90°	127	78
95°	126	103
105°	127	134
115°	124	123
125°	118	106
135°	110	85
145°	101	64
155°	86	40
165°	65	19
175°	45	5
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10323.4
2.5°	10292.8
5°	10287.1
7.5°	10232.7
10°	10130.6
12.5°	10033.1
15°	9891.3
17.5°	9664.4
20°	9383.1
22.5°	9080.2
25°	8751.3
27.5°	8365.6
30°	7820.0
32.5°	6957.9
35°	5958.6
37.5°	4974.0
40°	4042.7
42.5°	3192.0
45°	2375.3
47.5°	1695.8
50°	1299.9
52.5°	1077.6
55°	893.8
57.5°	741.8
60°	652.2
62.5°	619.3
65°	596.7
67.5°	579.6
70°	554.7
72.5°	521.8
75°	479.8
77.5°	432.2
80°	377.7
82.5°	318.7
85°	254.1
87.5°	187.2
90°	127.0
92.5°	124.8
95°	125.9
97.5°	127.0
100°	127.0
102.5°	127.0
105°	127.0
107.5°	127.0
110°	125.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.8
115°	123.6
117.5°	122.5
120°	121.4
122.5°	119.1
125°	118.0
127.5°	115.7
130°	113.4
132.5°	112.3
135°	110.0
137.5°	107.8
140°	105.5
142.5°	103.2
145°	101.0
147.5°	98.7
150°	96.4
152.5°	91.9
155°	86.2
157.5°	81.7
160°	77.1
162.5°	71.5
165°	64.7
167.5°	60.1
170°	54.4
172.5°	48.8
175°	45.4
177.5°	43.1
180°	43.1

(END OF REPORT)