

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: P1504677

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504677
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-04-TRWH-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

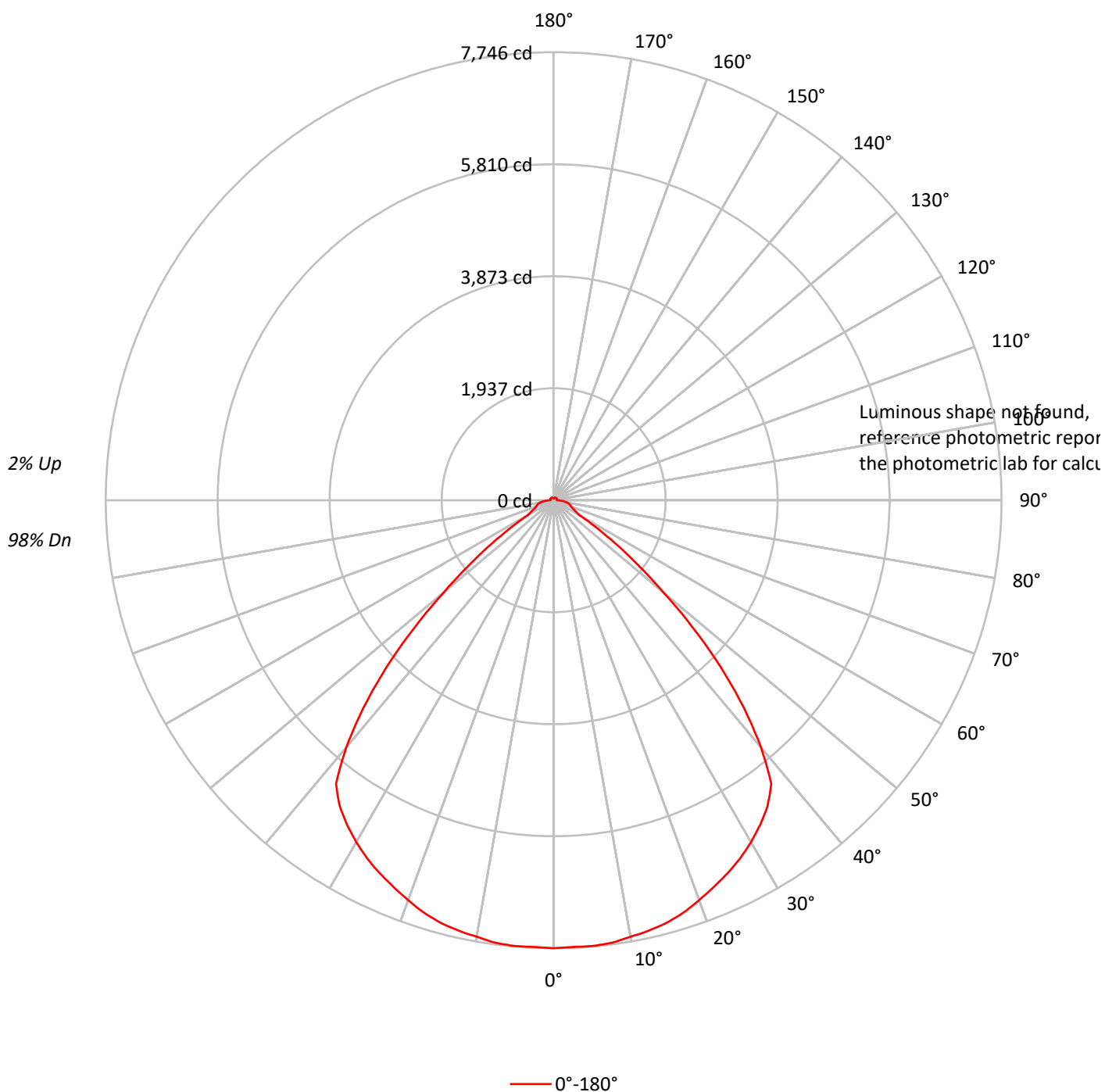
Lumens per Lamp: N/A
Luminaire Lumens: 15682.1 lumens
Efficiency: N/A
Efficacy: 156.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89	87		
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51	49		
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.2	4.7
10°-20°	2133.8	13.6
20°-30°	3282.8	20.9
30°-40°	3989.2	25.4
40°-50°	3117.8	19.9
50°-60°	1208.9	7.7
60°-70°	393.9	2.5
70°-80°	303.2	1.9
80°-90°	168.9	1.1
90°-100°	62.3	0.4
100°-110°	62.3	0.4
110°-120°	58.4	0.4
120°-130°	51.7	0.3
130°-140°	42.9	0.3
140°-150°	33.3	0.2
150°-160°	22.2	0.1
160°-170°	11.2	0.1
170°-180°	3.1	0.0
0°-30°	6152.8	39.2
0°-40°	10142.0	64.7
0°-60°	14468.6	92.3
0°-90°	15334.7	97.8
90°-120°	183.1	1.2
90°-150°	311.0	2.0
90°-180°	347.0	2.2
0°-180°	15682.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7746	
5°	7736	736
15°	7564	2134
25°	7117	3283
35°	6451	3989
45°	4095	3118
55°	1295	1209
65°	387	394
75°	290	303
85°	159	147
90°	57	38
95°	57	47
105°	59	62
115°	59	58
125°	58	52
135°	55	43
145°	53	33
155°	48	22
165°	39	11
175°	31	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7746
2.5°	7730
5°	7736
7.5°	7717
10°	7664
12.5°	7621
15°	7564
17.5°	7475
20°	7358
22.5°	7238
25°	7117
27.5°	6984
30°	6825
32.5°	6649
35°	6451
37.5°	6183
40°	5584
42.5°	4873
45°	4095
47.5°	3273
50°	2483
52.5°	1838
55°	1295
57.5°	833
60°	517
62.5°	442
65°	387
67.5°	344
70°	322
72.5°	304
75°	290
77.5°	271
80°	243
82.5°	206
85°	159
87.5°	105
90°	57
92.5°	56
95°	57
97.5°	58
100°	58
102.5°	59
105°	59
107.5°	59
110°	59

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59
115°	59
117.5°	59
120°	58
122.5°	58
125°	58
127.5°	57
130°	57
132.5°	56
135°	55
137.5°	55
140°	54
142.5°	54
145°	53
147.5°	52
150°	52
152.5°	50
155°	48
157.5°	45
160°	44
162.5°	41
165°	39
167.5°	37
170°	34
172.5°	32
175°	31
177.5°	31
180°	31

(END OF REPORT)