

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: P1504451

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504451
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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-CLER-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

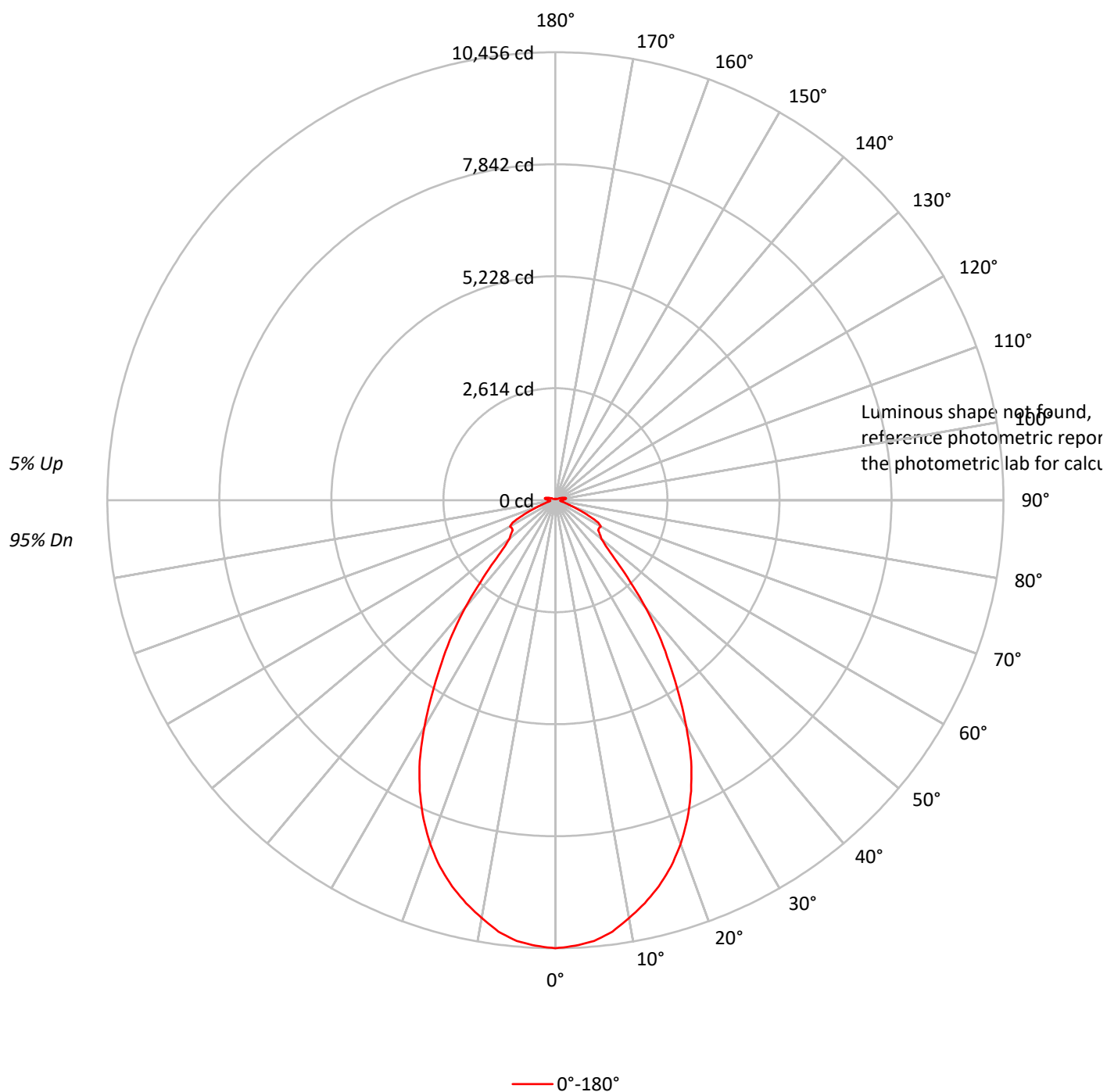
Lumens per Lamp: N/A
Luminaire Lumens: 14584.4 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	88	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	66	73	68	64	70	66	63	61		
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	54	64	58	54	62	57	53	60	56	52	50		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	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°	972.1	6.7
10°-20°	2612.6	17.9
20°-30°	3406.3	23.4
30°-40°	2893.2	19.8
40°-50°	1633.5	11.2
50°-60°	1129.7	7.7
60°-70°	836.3	5.7
70°-80°	265.0	1.8
80°-90°	138.6	1.0
90°-100°	226.7	1.6
100°-110°	228.8	1.6
110°-120°	109.0	0.7
120°-130°	46.0	0.3
130°-140°	31.9	0.2
140°-150°	25.0	0.2
150°-160°	17.7	0.1
160°-170°	9.6	0.1
170°-180°	2.5	0.0
0°-30°	6991.0	47.9
0°-40°	9884.2	67.8
0°-60°	12647.4	86.7
0°-90°	13887.3	95.2
90°-120°	564.5	3.9
90°-150°	667.3	4.6
90°-180°	697.0	4.8
0°-180°	14584.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10456	
5°	10326	972
15°	9325	2613
25°	7489	3406
35°	4626	2893
45°	2010	1633
55°	1218	1130
65°	856	836
75°	238	265
85°	117	101
90°	148	82
95°	212	182
105°	220	229
115°	106	109
125°	49	46
135°	41	32
145°	40	25
155°	38	18
165°	33	10
175°	25	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10456
2.5°	10409
5°	10326
7.5°	10157
10°	9901
12.5°	9631
15°	9325
17.5°	8966
20°	8538
22.5°	8047
25°	7489
27.5°	6858
30°	6110
32.5°	5352
35°	4626
37.5°	3964
40°	3287
42.5°	2580
45°	2010
47.5°	1610
50°	1396
52.5°	1310
55°	1218
57.5°	1205
60°	1226
62.5°	1116
65°	856
67.5°	599
70°	418
72.5°	310
75°	238
77.5°	179
80°	140
82.5°	120
85°	117
87.5°	127
90°	148
92.5°	178
95°	212
97.5°	241
100°	253
102.5°	244
105°	220
107.5°	192
110°	162

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132
115°	106
117.5°	84
120°	68
122.5°	56
125°	49
127.5°	44
130°	42
132.5°	41
135°	41
137.5°	41
140°	41
142.5°	40
145°	40
147.5°	39
150°	39
152.5°	39
155°	38
157.5°	38
160°	37
162.5°	36
165°	33
167.5°	31
170°	29
172.5°	27
175°	25
177.5°	25
180°	25

(END OF REPORT)