

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: P1504487

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504487
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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 (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

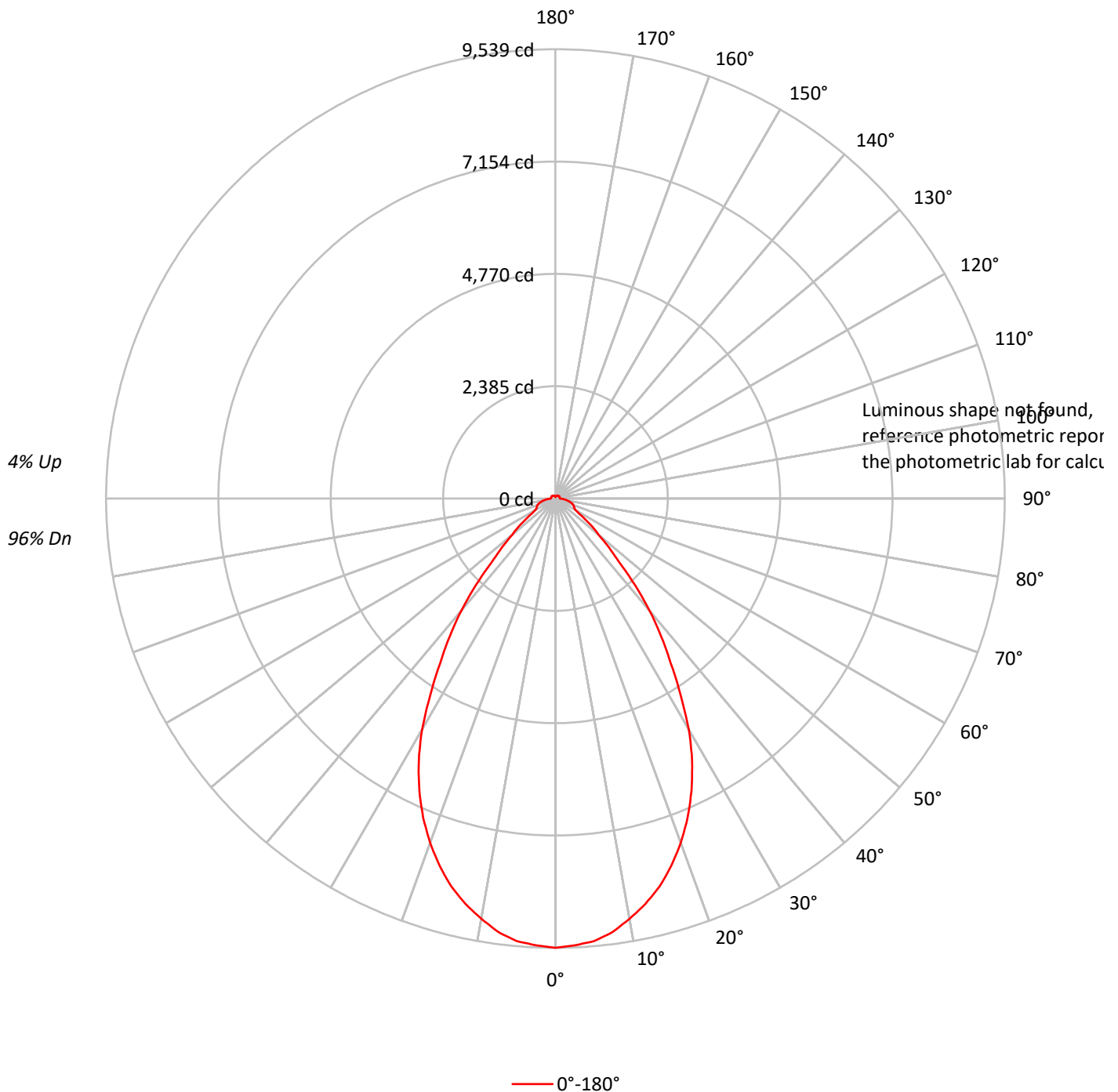
Lumens per Lamp: N/A
Luminaire Lumens: 12857.8 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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





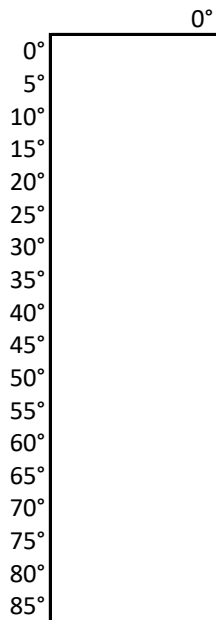
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	888.3	6.9
10°-20°	2386.9	18.6
20°-30°	3116.1	24.2
30°-40°	2682.1	20.9
40°-50°	1550.4	12.1
50°-60°	711.6	5.5
60°-70°	438.2	3.4
70°-80°	360.1	2.8
80°-90°	195.6	1.5
90°-100°	101.1	0.8
100°-110°	98.9	0.8
110°-120°	91.0	0.7
120°-130°	78.3	0.6
130°-140°	63.2	0.5
140°-150°	47.5	0.4
150°-160°	30.4	0.2
160°-170°	14.4	0.1
170°-180°	3.6	0.0
0°-30°	6391.3	49.7
0°-40°	9073.4	70.6
0°-60°	11335.5	88.2
0°-90°	12329.4	95.9
90°-120°	291.0	2.3
90°-150°	480.0	3.7
90°-180°	528.0	4.1
0°-180°	12857.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9539	
5°	9431	888
15°	8531	2387
25°	6835	3116
35°	4269	2682
45°	1907	1550
55°	769	712
65°	437	438
75°	344	360
85°	180	164
90°	93	56
95°	93	76
105°	94	99
115°	92	91
125°	87	78
135°	82	63
145°	76	48
155°	65	30
165°	50	14
175°	35	4
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9539.2
2.5°	9492.9
5°	9430.9
7.5°	9283.7
10°	9057.9
12.5°	8816.3
15°	8531.2
17.5°	8177.5
20°	7776.7
22.5°	7334.2
25°	6835.3
27.5°	6285.4
30°	5664.3
32.5°	4938.6
35°	4269.3
37.5°	3679.6
40°	3113.1
42.5°	2509.5
45°	1906.9
47.5°	1540.3
50°	1199.7
52.5°	997.0
55°	769.2
57.5°	587.8
60°	495.2
62.5°	457.3
65°	436.9
67.5°	424.0
70°	404.5
72.5°	377.7
75°	344.4
77.5°	306.4
80°	265.7
82.5°	224.0
85°	179.6
87.5°	135.2
90°	92.6
92.5°	91.6
95°	92.6
97.5°	93.5
100°	93.5
102.5°	93.5
105°	93.5
107.5°	93.5
110°	93.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.6
115°	91.6
117.5°	90.7
120°	89.8
122.5°	88.9
125°	87.0
127.5°	86.1
130°	84.2
132.5°	83.3
135°	81.5
137.5°	79.6
140°	78.7
142.5°	76.8
145°	75.9
147.5°	74.1
150°	72.2
152.5°	69.4
155°	64.8
157.5°	61.1
160°	58.3
162.5°	53.7
165°	50.0
167.5°	46.3
170°	42.6
172.5°	38.0
175°	35.2
177.5°	34.3
180°	34.3

(END OF REPORT)