

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: P1504460

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504460
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 (4000K_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

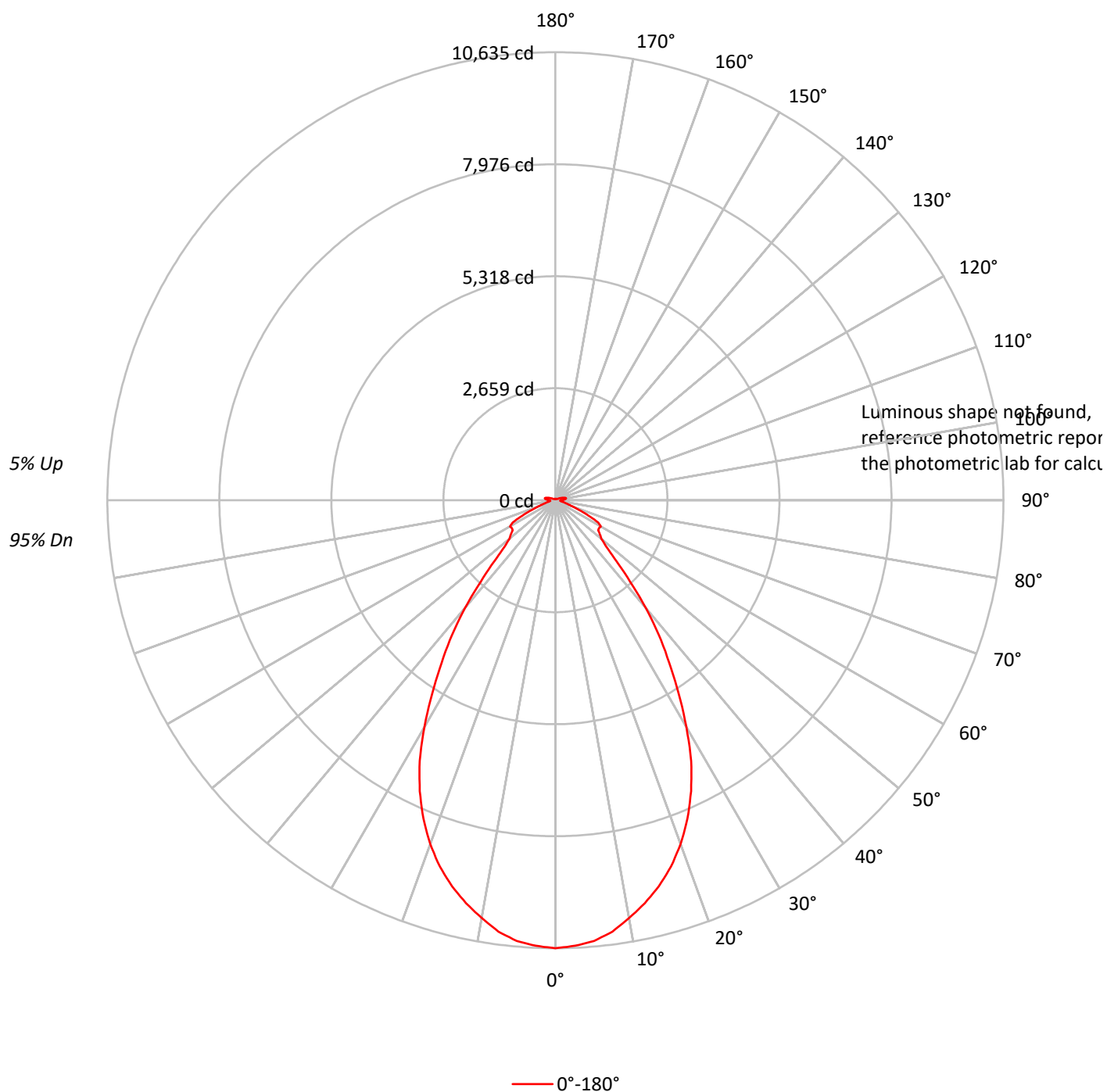
Lumens per Lamp: N/A
Luminaire Lumens: 14833.8 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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





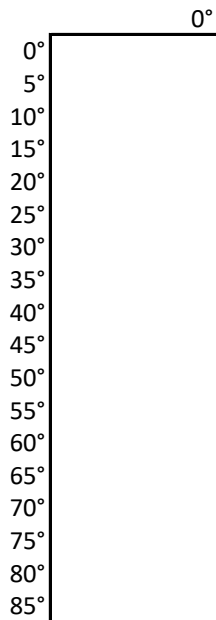
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	988.8	6.7
10°-20°	2657.3	17.9
20°-30°	3464.5	23.4
30°-40°	2942.6	19.8
40°-50°	1661.4	11.2
50°-60°	1149.0	7.7
60°-70°	850.6	5.7
70°-80°	269.5	1.8
80°-90°	141.0	1.0
90°-100°	230.5	1.6
100°-110°	232.7	1.6
110°-120°	110.9	0.7
120°-130°	46.8	0.3
130°-140°	32.4	0.2
140°-150°	25.4	0.2
150°-160°	18.0	0.1
160°-170°	9.7	0.1
170°-180°	2.6	0.0
0°-30°	7110.5	47.9
0°-40°	10053.2	67.8
0°-60°	12863.6	86.7
0°-90°	14124.7	95.2
90°-120°	574.1	3.9
90°-150°	678.7	4.6
90°-180°	709.0	4.8
0°-180°	14833.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10635	
5°	10502	989
15°	9484	2657
25°	7617	3464
35°	4705	2943
45°	2044	1661
55°	1239	1149
65°	871	851
75°	242	270
85°	119	103
90°	150	84
95°	216	185
105°	224	233
115°	108	111
125°	50	47
135°	42	32
145°	41	25
155°	39	18
165°	34	10
175°	25	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10634.8
2.5°	10586.9
5°	10502.5
7.5°	10330.6
10°	10070.3
12.5°	9795.6
15°	9484.4
17.5°	9119.3
20°	8684.0
22.5°	8184.6
25°	7617.0
27.5°	6975.2
30°	6214.5
32.5°	5443.5
35°	4705.1
37.5°	4031.8
40°	3343.2
42.5°	2624.1
45°	2044.4
47.5°	1637.5
50°	1419.9
52.5°	1332.4
55°	1238.8
57.5°	1225.6
60°	1247.0
62.5°	1135.1
65°	870.6
67.5°	609.2
70°	425.1
72.5°	315.3
75°	242.1
77.5°	182.1
80°	142.4
82.5°	122.1
85°	119.0
87.5°	129.2
90°	150.5
92.5°	181.0
95°	215.6
97.5°	245.1
100°	257.3
102.5°	248.2
105°	223.8
107.5°	195.3
110°	164.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	134.3
115°	107.8
117.5°	85.4
120°	69.2
122.5°	57.0
125°	49.8
127.5°	44.8
130°	42.7
132.5°	41.7
135°	41.7
137.5°	41.7
140°	41.7
142.5°	40.7
145°	40.7
147.5°	39.7
150°	39.7
152.5°	39.7
155°	38.6
157.5°	38.6
160°	37.6
162.5°	36.6
165°	33.6
167.5°	31.5
170°	29.5
172.5°	27.5
175°	25.4
177.5°	25.4
180°	25.4

(END OF REPORT)