

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: P1504478

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504478
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 (6500K_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

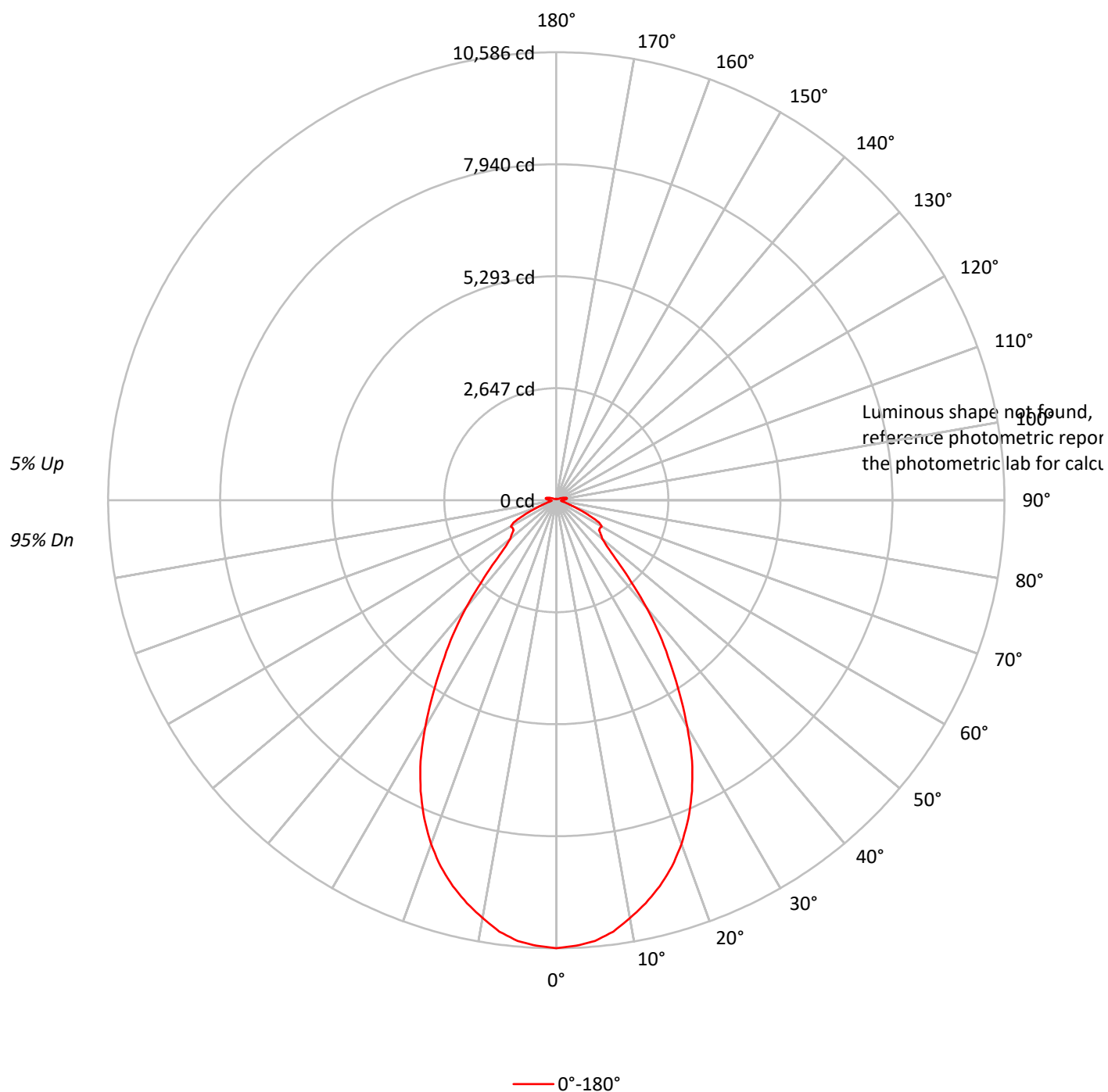
Lumens per Lamp: N/A
Luminaire Lumens: 14764.9 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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





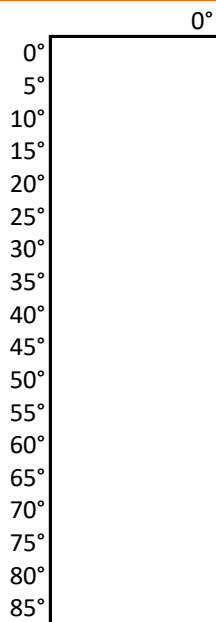
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	984.2	6.7
10°-20°	2645.0	17.9
20°-30°	3448.5	23.4
30°-40°	2929.0	19.8
40°-50°	1653.7	11.2
50°-60°	1143.7	7.7
60°-70°	846.7	5.7
70°-80°	268.3	1.8
80°-90°	140.3	1.0
90°-100°	229.5	1.6
100°-110°	231.6	1.6
110°-120°	110.4	0.7
120°-130°	46.5	0.3
130°-140°	32.2	0.2
140°-150°	25.3	0.2
150°-160°	18.0	0.1
160°-170°	9.7	0.1
170°-180°	2.6	0.0
0°-30°	7077.7	47.9
0°-40°	10006.6	67.8
0°-60°	12804.1	86.7
0°-90°	14059.3	95.2
90°-120°	571.4	3.9
90°-150°	675.5	4.6
90°-180°	706.0	4.8
0°-180°	14764.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10586	
5°	10454	984
15°	9440	2645
25°	7582	3448
35°	4683	2929
45°	2035	1654
55°	1233	1144
65°	867	847
75°	241	268
85°	118	102
90°	150	83
95°	215	184
105°	223	232
115°	107	110
125°	50	47
135°	42	32
145°	40	25
155°	38	18
165°	33	10
175°	25	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10585.5
2.5°	10538.0
5°	10453.9
7.5°	10282.8
10°	10023.7
12.5°	9750.3
15°	9440.5
17.5°	9077.1
20°	8643.8
22.5°	8146.7
25°	7581.8
27.5°	6943.0
30°	6185.7
32.5°	5418.3
35°	4683.3
37.5°	4013.1
40°	3327.7
42.5°	2612.0
45°	2034.9
47.5°	1629.9
50°	1413.3
52.5°	1326.2
55°	1233.1
57.5°	1219.9
60°	1241.2
62.5°	1129.8
65°	866.6
67.5°	606.4
70°	423.2
72.5°	313.8
75°	240.9
77.5°	181.2
80°	141.7
82.5°	121.5
85°	118.4
87.5°	128.6
90°	149.8
92.5°	180.2
95°	214.6
97.5°	244.0
100°	256.1
102.5°	247.0
105°	222.7
107.5°	194.4
110°	164.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	133.6
115°	107.3
117.5°	85.0
120°	68.8
122.5°	56.7
125°	49.6
127.5°	44.5
130°	42.5
132.5°	41.5
135°	41.5
137.5°	41.5
140°	41.5
142.5°	40.5
145°	40.5
147.5°	39.5
150°	39.5
152.5°	39.5
155°	38.5
157.5°	38.5
160°	37.5
162.5°	36.4
165°	33.4
167.5°	31.4
170°	29.4
172.5°	27.3
175°	25.3
177.5°	25.3
180°	25.3

(END OF REPORT)