

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: P1504473

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504473
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

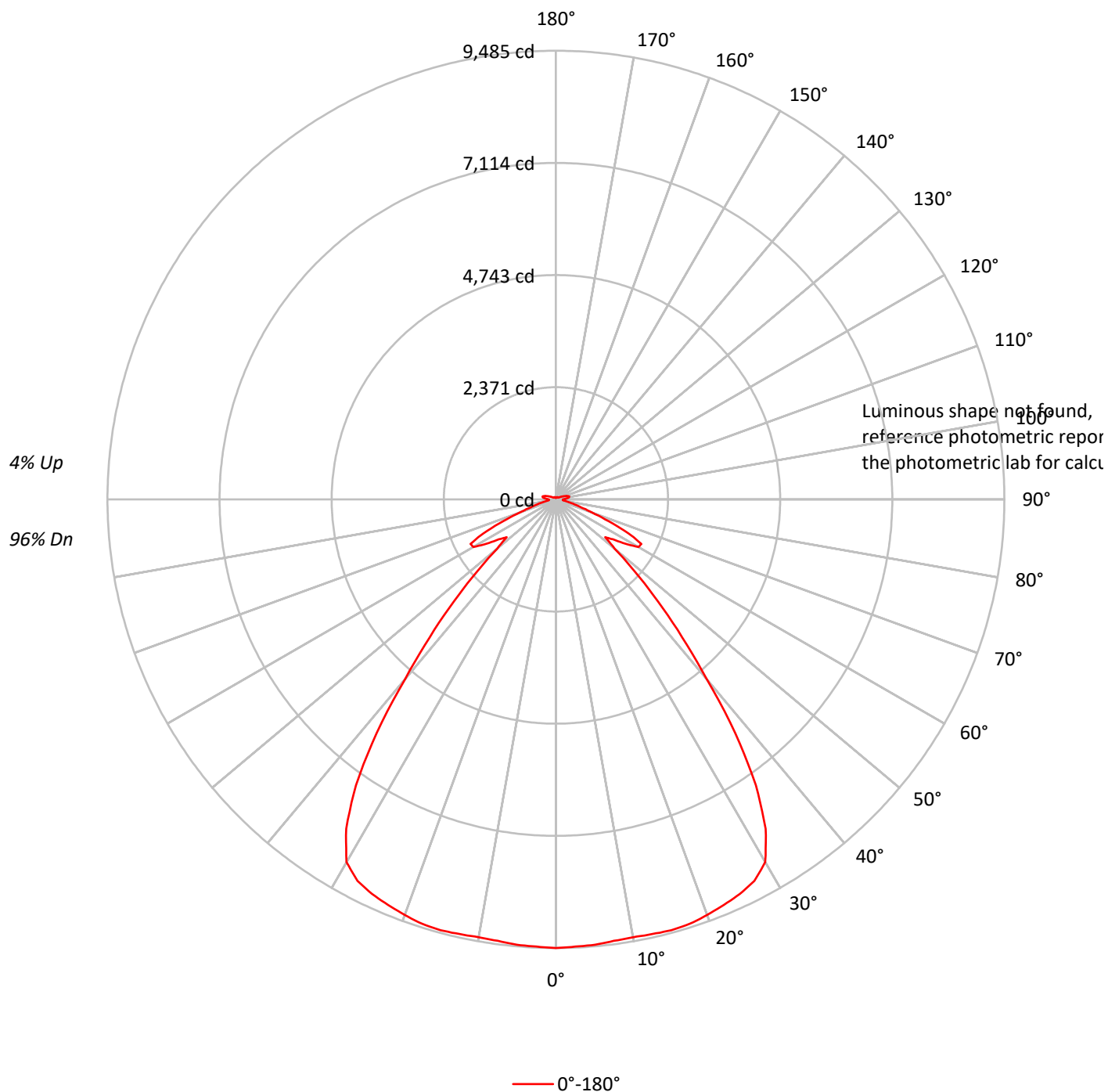
Lumens per Lamp: N/A
Luminaire Lumens: 19161.2 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	54	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.0	4.7
10°-20°	2666.0	13.9
20°-30°	4237.9	22.1
30°-40°	4471.0	23.3
40°-50°	2395.8	12.5
50°-60°	1427.9	7.5
60°-70°	1564.8	8.2
70°-80°	465.5	2.4
80°-90°	174.3	0.9
90°-100°	246.1	1.3
100°-110°	275.4	1.4
110°-120°	144.0	0.8
120°-130°	65.7	0.3
130°-140°	47.3	0.2
140°-150°	36.7	0.2
150°-160°	25.5	0.1
160°-170°	13.7	0.1
170°-180°	3.5	0.0
0°-30°	7803.9	40.7
0°-40°	12274.9	64.1
0°-60°	16098.7	84.0
0°-90°	18303.4	95.5
90°-120°	665.4	3.5
90°-150°	815.2	4.3
90°-180°	858.0	4.5
0°-180°	19161.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9485	
5°	9451	900
15°	9430	2666
25°	9202	4238
35°	7376	4471
45°	3041	2396
55°	1469	1428
65°	1687	1565
75°	406	466
85°	145	133
90°	159	89
95°	226	198
105°	267	275
115°	141	144
125°	70	66
135°	61	47
145°	58	37
155°	55	25
165°	48	14
175°	35	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9484.8
2.5°	9464.4
5°	9451.2
7.5°	9412.9
10°	9398.5
12.5°	9412.9
15°	9429.7
17.5°	9409.3
20°	9350.6
22.5°	9280.0
25°	9202.2
27.5°	9090.8
30°	8854.9
32.5°	8256.2
35°	7376.1
37.5°	6233.8
40°	4965.7
42.5°	3947.9
45°	3041.4
47.5°	2273.9
50°	1622.5
52.5°	1312.4
55°	1469.2
57.5°	1743.4
60°	2016.5
62.5°	2036.8
65°	1687.2
67.5°	1204.6
70°	808.3
72.5°	560.4
75°	405.9
77.5°	292.2
80°	211.9
82.5°	164.0
85°	144.9
87.5°	144.9
90°	159.3
92.5°	188.0
95°	226.3
97.5°	264.6
100°	288.6
102.5°	287.4
105°	267.0
107.5°	238.3
110°	206.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	172.4
115°	141.3
117.5°	113.8
120°	93.4
122.5°	80.2
125°	69.5
127.5°	64.7
130°	61.1
132.5°	61.1
135°	61.1
137.5°	61.1
140°	61.1
142.5°	59.9
145°	57.5
147.5°	57.5
150°	56.3
152.5°	56.3
155°	55.1
157.5°	53.9
160°	52.7
162.5°	51.5
165°	47.9
167.5°	44.3
170°	40.7
172.5°	37.1
175°	34.7
177.5°	33.5
180°	32.3

(END OF REPORT)