

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: P1504799

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504799
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-B-06-CLER-PS (3000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

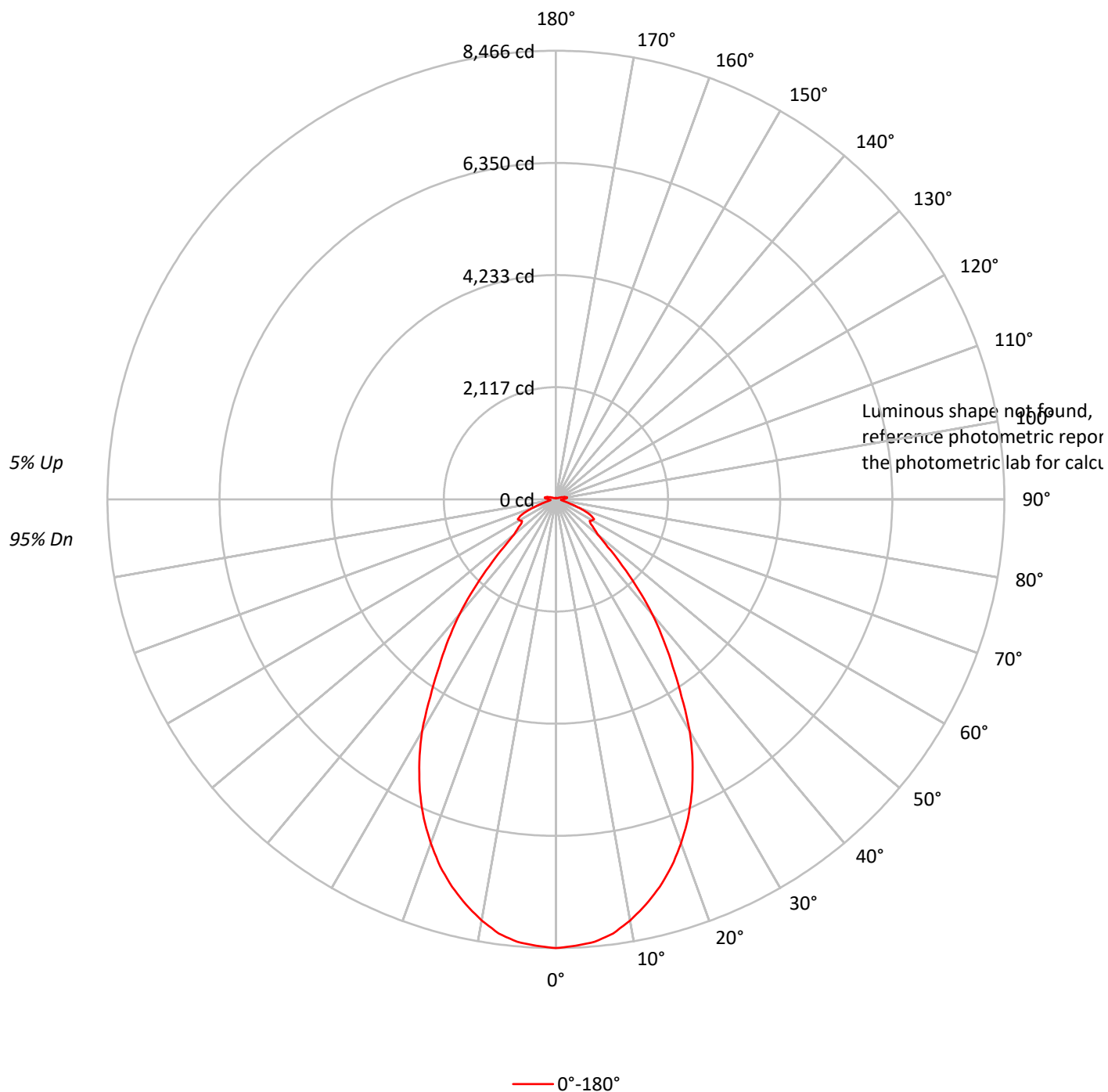
Lumens per Lamp: N/A
Luminaire Lumens: 11891.4 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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

TEST NUMBER: P1504799

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504799

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

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	108	108	108	103	103	103	98	98	98	98	98	98	98	98			
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	87	87	87	87	85			
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	70	70	70	70	68			
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	63	63	63	63	61			
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	57	57	57	57	55			
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	52	52	52	52	50			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	44	44	44	44	43			
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	41	41	41	41	39			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504799

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.1	6.6
10°-20°	2120.3	17.8
20°-30°	2770.7	23.3
30°-40°	2411.4	20.3
40°-50°	1400.7	11.8
50°-60°	754.9	6.3
60°-70°	692.8	5.8
70°-80°	260.2	2.2
80°-90°	118.0	1.0
90°-100°	195.9	1.6
100°-110°	182.2	1.5
110°-120°	83.4	0.7
120°-130°	36.5	0.3
130°-140°	27.2	0.2
140°-150°	21.3	0.2
150°-160°	14.7	0.1
160°-170°	8.6	0.1
170°-180°	2.4	0.0
0°-30°	5681.1	47.8
0°-40°	8092.5	68.1
0°-60°	10248.1	86.2
0°-90°	11319.1	95.2
90°-120°	461.5	3.9
90°-150°	546.6	4.6
90°-180°	572.0	4.8
0°-180°	11891.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8466	
5°	8381	790
15°	7571	2120
25°	6078	2771
35°	3839	2411
45°	1777	1401
55°	797	755
65°	746	693
75°	220	260
85°	100	86
90°	126	71
95°	186	157
105°	174	182
115°	81	83
125°	39	37
135°	35	27
145°	34	21
155°	32	15
165°	31	9
175°	24	2
180°	25	

TEST NUMBER: P1504799

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8466.5
2.5°	8430.8
5°	8380.6
7.5°	8263.0
10°	8066.8
12.5°	7835.7
15°	7570.6
17.5°	7261.7
20°	6906.5
22.5°	6518.1
25°	6077.9
27.5°	5584.9
30°	5054.6
32.5°	4414.1
35°	3839.2
37.5°	3330.8
40°	2828.9
42.5°	2300.3
45°	1777.3
47.5°	1327.3
50°	1033.8
52.5°	910.5
55°	797.0
57.5°	756.5
60°	790.5
62.5°	811.6
65°	745.9
67.5°	617.0
70°	462.2
72.5°	321.1
75°	220.5
77.5°	156.5
80°	119.2
82.5°	102.2
85°	99.7
87.5°	107.8
90°	126.5
92.5°	154.9
95°	185.7
97.5°	208.4
100°	212.4
102.5°	198.6
105°	173.5
107.5°	147.6
110°	123.2

TEST NUMBER: P1504799

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.5
115°	81.1
117.5°	64.9
120°	52.7
122.5°	43.8
125°	38.9
127.5°	35.7
130°	34.9
132.5°	34.9
135°	34.9
137.5°	35.7
140°	35.7
142.5°	34.9
145°	34.1
147.5°	32.4
150°	32.4
152.5°	31.6
155°	31.6
157.5°	31.6
160°	32.4
162.5°	31.6
165°	30.8
167.5°	28.4
170°	25.9
172.5°	24.3
175°	24.3
177.5°	25.1
180°	25.1

(END OF REPORT)