

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: P1504838

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504838
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 (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

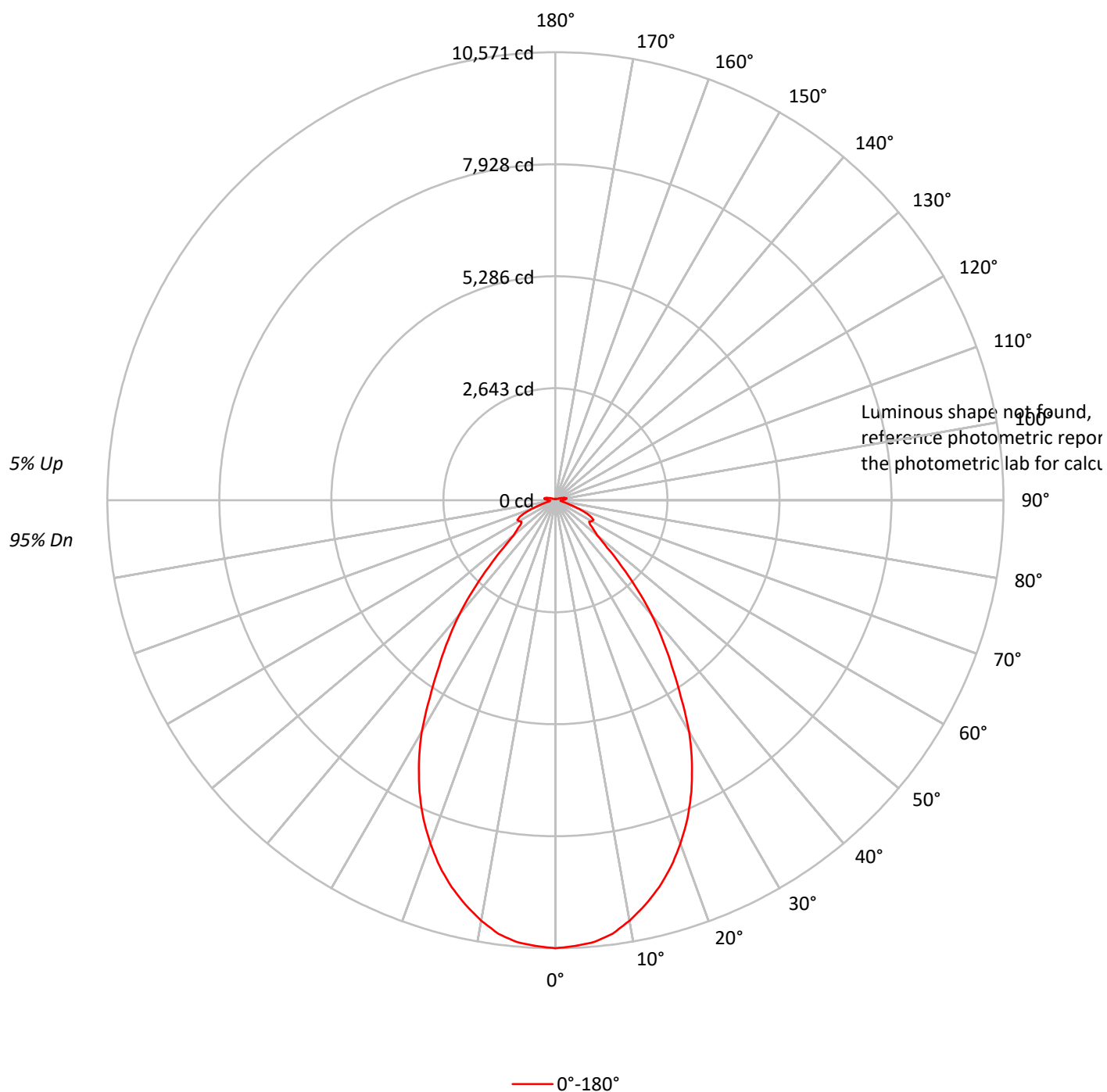
Lumens per Lamp: N/A
Luminaire Lumens: 14847.7 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1504838

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Narrow_120V)

Luminous Intensity Polar Plot





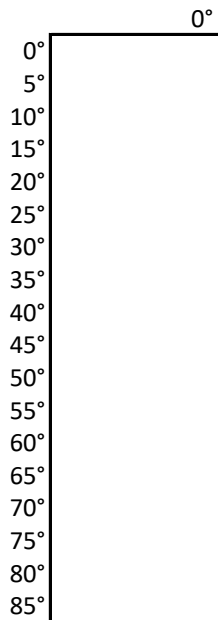
TEST NUMBER: P1504838

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_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: P1504838

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	986.5	6.6
10°-20°	2647.4	17.8
20°-30°	3459.5	23.3
30°-40°	3010.8	20.3
40°-50°	1749.0	11.8
50°-60°	942.6	6.3
60°-70°	865.1	5.8
70°-80°	324.9	2.2
80°-90°	147.3	1.0
90°-100°	244.5	1.6
100°-110°	227.5	1.5
110°-120°	104.2	0.7
120°-130°	45.6	0.3
130°-140°	34.0	0.2
140°-150°	26.6	0.2
150°-160°	18.4	0.1
160°-170°	10.7	0.1
170°-180°	3.0	0.0
0°-30°	7093.5	47.8
0°-40°	10104.3	68.1
0°-60°	12795.9	86.2
0°-90°	14133.2	95.2
90°-120°	576.2	3.9
90°-150°	682.4	4.6
90°-180°	714.0	4.8
0°-180°	14847.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10571	
5°	10464	987
15°	9453	2647
25°	7589	3460
35°	4794	3011
45°	2219	1749
55°	995	943
65°	931	865
75°	275	325
85°	124	107
90°	158	88
95°	232	196
105°	217	228
115°	101	104
125°	49	46
135°	44	34
145°	42	27
155°	40	18
165°	38	11
175°	30	3
180°	31	

TEST NUMBER: P1504838

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10571.4
2.5°	10526.8
5°	10464.1
7.5°	10317.3
10°	10072.3
12.5°	9783.7
15°	9452.7
17.5°	9067.0
20°	8623.5
22.5°	8138.6
25°	7588.9
27.5°	6973.3
30°	6311.2
32.5°	5511.4
35°	4793.7
37.5°	4158.9
40°	3532.2
42.5°	2872.1
45°	2219.2
47.5°	1657.3
50°	1290.8
52.5°	1136.9
55°	995.2
57.5°	944.6
60°	987.1
62.5°	1013.4
65°	931.4
67.5°	770.4
70°	577.1
72.5°	400.9
75°	275.4
77.5°	195.4
80°	148.8
82.5°	127.6
85°	124.5
87.5°	134.6
90°	157.9
92.5°	193.4
95°	231.8
97.5°	260.2
100°	265.2
102.5°	248.0
105°	216.7
107.5°	184.3
110°	153.9

TEST NUMBER: P1504838

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.5
115°	101.2
117.5°	81.0
120°	65.8
122.5°	54.7
125°	48.6
127.5°	44.5
130°	43.5
132.5°	43.5
135°	43.5
137.5°	44.5
140°	44.5
142.5°	43.5
145°	42.5
147.5°	40.5
150°	40.5
152.5°	39.5
155°	39.5
157.5°	39.5
160°	40.5
162.5°	39.5
165°	38.5
167.5°	35.4
170°	32.4
172.5°	30.4
175°	30.4
177.5°	31.4
180°	31.4

(END OF REPORT)