

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: P1504665

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504665
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-04-TRWH-PS (3000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

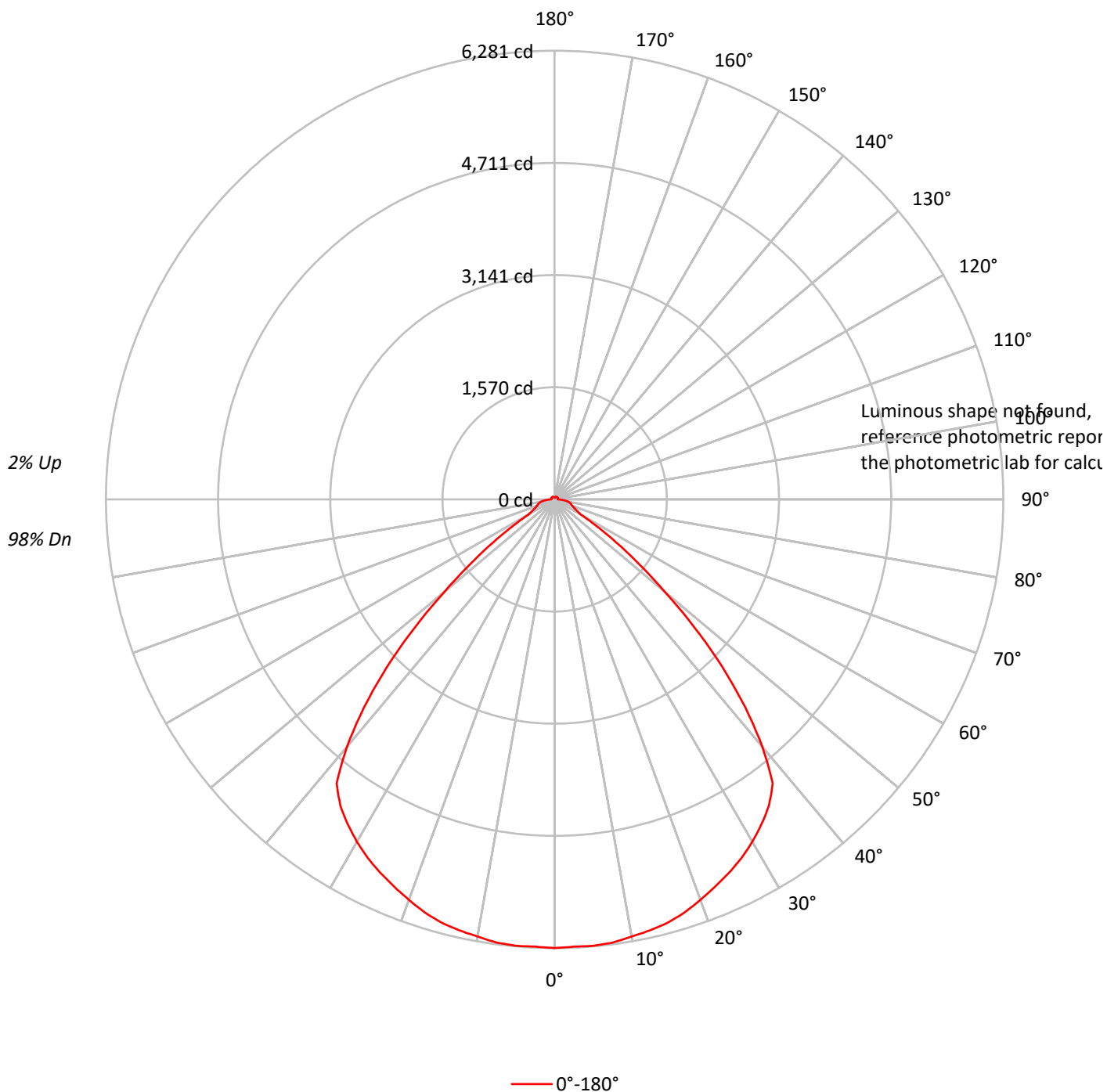
Lumens per Lamp: N/A
Luminaire Lumens: 12715.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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: P1504665

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504665

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79			77
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63			61
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56			54
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51			49
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46			44
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42			40
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38			36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504665

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.9	4.7
10°-20°	1730.1	13.6
20°-30°	2661.7	20.9
30°-40°	3234.5	25.4
40°-50°	2527.9	19.9
50°-60°	980.2	7.7
60°-70°	319.4	2.5
70°-80°	245.8	1.9
80°-90°	136.9	1.1
90°-100°	50.5	0.4
100°-110°	50.5	0.4
110°-120°	47.4	0.4
120°-130°	41.9	0.3
130°-140°	34.8	0.3
140°-150°	27.0	0.2
150°-160°	18.0	0.1
160°-170°	9.1	0.1
170°-180°	2.5	0.0
0°-30°	4988.8	39.2
0°-40°	8223.3	64.7
0°-60°	11731.4	92.3
0°-90°	12433.6	97.8
90°-120°	148.3	1.2
90°-150°	252.1	2.0
90°-180°	282.0	2.2
0°-180°	12715.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6281	
5°	6272	597
15°	6133	1730
25°	5771	2662
35°	5231	3234
45°	3320	2528
55°	1050	980
65°	314	319
75°	235	246
85°	129	119
90°	46	31
95°	46	38
105°	48	50
115°	48	47
125°	47	42
135°	45	35
145°	43	27
155°	39	18
165°	32	9
175°	25	2
180°	25	

TEST NUMBER: P1504665

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6280.6
2.5°	6267.6
5°	6272.5
7.5°	6257.1
10°	6214.1
12.5°	6179.2
15°	6133.0
17.5°	6060.8
20°	5966.0
22.5°	5868.7
25°	5770.6
27.5°	5662.7
30°	5533.8
32.5°	5391.1
35°	5230.6
37.5°	5013.3
40°	4527.6
42.5°	3951.1
45°	3320.3
47.5°	2653.8
50°	2013.3
52.5°	1490.3
55°	1050.0
57.5°	675.4
60°	419.2
62.5°	358.4
65°	313.8
67.5°	278.9
70°	261.1
72.5°	246.5
75°	235.1
77.5°	219.7
80°	197.0
82.5°	167.0
85°	128.9
87.5°	85.1
90°	46.2
92.5°	45.4
95°	46.2
97.5°	47.0
100°	47.0
102.5°	47.8
105°	47.8
107.5°	47.8
110°	47.8

TEST NUMBER: P1504665

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	47.8
115°	47.8
117.5°	47.8
120°	47.0
122.5°	47.0
125°	47.0
127.5°	46.2
130°	46.2
132.5°	45.4
135°	44.6
137.5°	44.6
140°	43.8
142.5°	43.8
145°	43.0
147.5°	42.2
150°	42.2
152.5°	40.5
155°	38.9
157.5°	36.5
160°	35.7
162.5°	33.2
165°	31.6
167.5°	30.0
170°	27.6
172.5°	25.9
175°	25.1
177.5°	25.1
180°	25.1

(END OF REPORT)