

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: P1504809

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504809
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

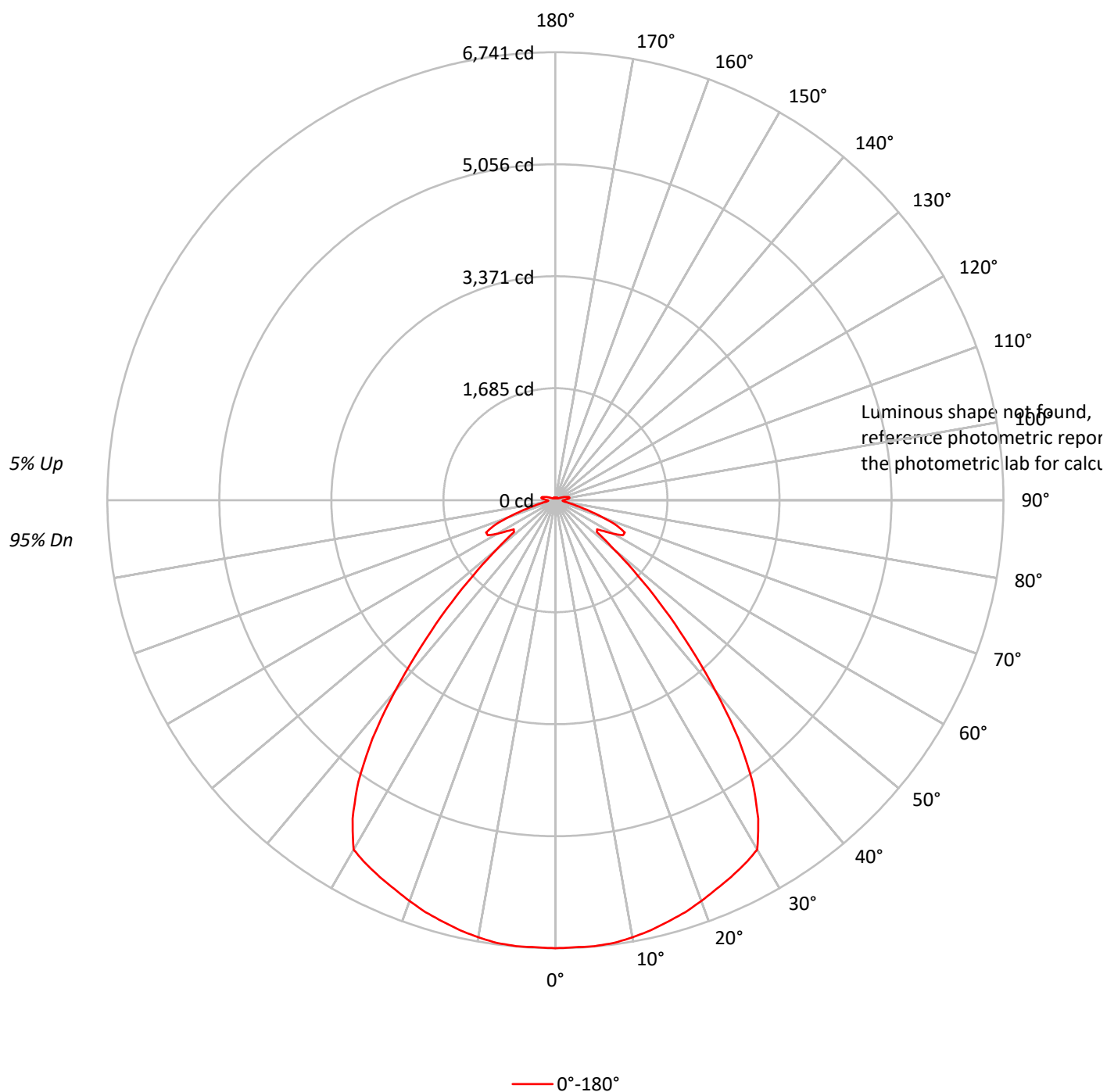
Lumens per Lamp: N/A
Luminaire Lumens: 13332.3 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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: P1504809

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504809

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	106	102	99	107	103	100	97		98	96	93		93	91	90		89	88	86
2	102	95	89	84	99	93	87	83		88	84	81		85	81	78		81	78	76
3	94	85	79	73	92	84	77	72		80	75	70		77	72	69		74	70	67
4	88	77	70	64	85	76	69	64		73	67	62		70	65	61		68	63	60
5	82	71	63	57	79	69	62	57		67	60	56		64	59	55		62	57	54
6	76	65	57	51	74	63	56	51		61	55	50		59	54	49		57	52	49
7	71	59	52	46	69	58	51	46		56	50	45		55	49	45		53	48	44
8	67	55	47	42	65	54	47	42		52	46	41		51	45	41		49	44	40
9	63	51	43	38	61	50	43	38		49	42	38		47	42	37		46	41	37
10	59	47	40	35	58	47	40	35		45	39	35		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504809

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.1	4.8
10°-20°	1855.5	13.9
20°-30°	2888.1	21.7
30°-40°	3156.9	23.7
40°-50°	1800.5	13.5
50°-60°	782.5	5.9
60°-70°	1040.3	7.8
70°-80°	415.5	3.1
80°-90°	130.1	1.0
90°-100°	187.7	1.4
100°-110°	196.2	1.5
110°-120°	96.8	0.7
120°-130°	45.3	0.3
130°-140°	35.6	0.3
140°-150°	27.8	0.2
150°-160°	18.7	0.1
160°-170°	10.7	0.1
170°-180°	3.1	0.0
0°-30°	5384.8	40.4
0°-40°	8541.6	64.1
0°-60°	11124.6	83.4
0°-90°	12710.5	95.3
90°-120°	480.7	3.6
90°-150°	589.4	4.4
90°-180°	622.0	4.7
0°-180°	13332.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6741	
5°	6735	641
15°	6562	1856
25°	6253	2888
35°	5168	3157
45°	2315	1800
55°	764	783
65°	1150	1040
75°	349	416
85°	108	99
90°	118	67
95°	174	152
105°	189	196
115°	94	97
125°	48	45
135°	46	36
145°	44	28
155°	40	19
165°	38	11
175°	32	3
180°	32	

TEST NUMBER: P1504809

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6741.3
2.5°	6731.3
5°	6735.4
7.5°	6718.8
10°	6677.1
12.5°	6627.9
15°	6562.0
17.5°	6498.7
20°	6417.8
22.5°	6331.9
25°	6252.7
27.5°	6169.4
30°	6071.0
32.5°	5679.1
35°	5168.1
37.5°	4522.0
40°	3753.3
42.5°	2993.8
45°	2315.2
47.5°	1684.1
50°	1144.7
52.5°	786.2
55°	764.5
57.5°	862.9
60°	1007.9
62.5°	1145.5
65°	1150.5
67.5°	1009.6
70°	777.0
72.5°	531.9
75°	349.3
77.5°	230.9
80°	159.2
82.5°	122.6
85°	108.4
87.5°	107.5
90°	118.4
92.5°	143.4
95°	174.2
97.5°	203.4
100°	216.8
102.5°	210.1
105°	189.2
107.5°	163.4
110°	139.2

TEST NUMBER: P1504809

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	115.9
115°	94.2
117.5°	76.7
120°	63.4
122.5°	54.2
125°	48.4
127.5°	45.0
130°	44.2
132.5°	45.0
135°	45.9
137.5°	47.5
140°	46.7
142.5°	45.9
145°	44.2
147.5°	42.5
150°	40.9
152.5°	40.9
155°	40.0
157.5°	40.0
160°	40.0
162.5°	39.2
165°	37.5
167.5°	35.8
170°	33.3
172.5°	31.7
175°	31.7
177.5°	32.5
180°	32.5

(END OF REPORT)