

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: P1504815

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504815
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_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

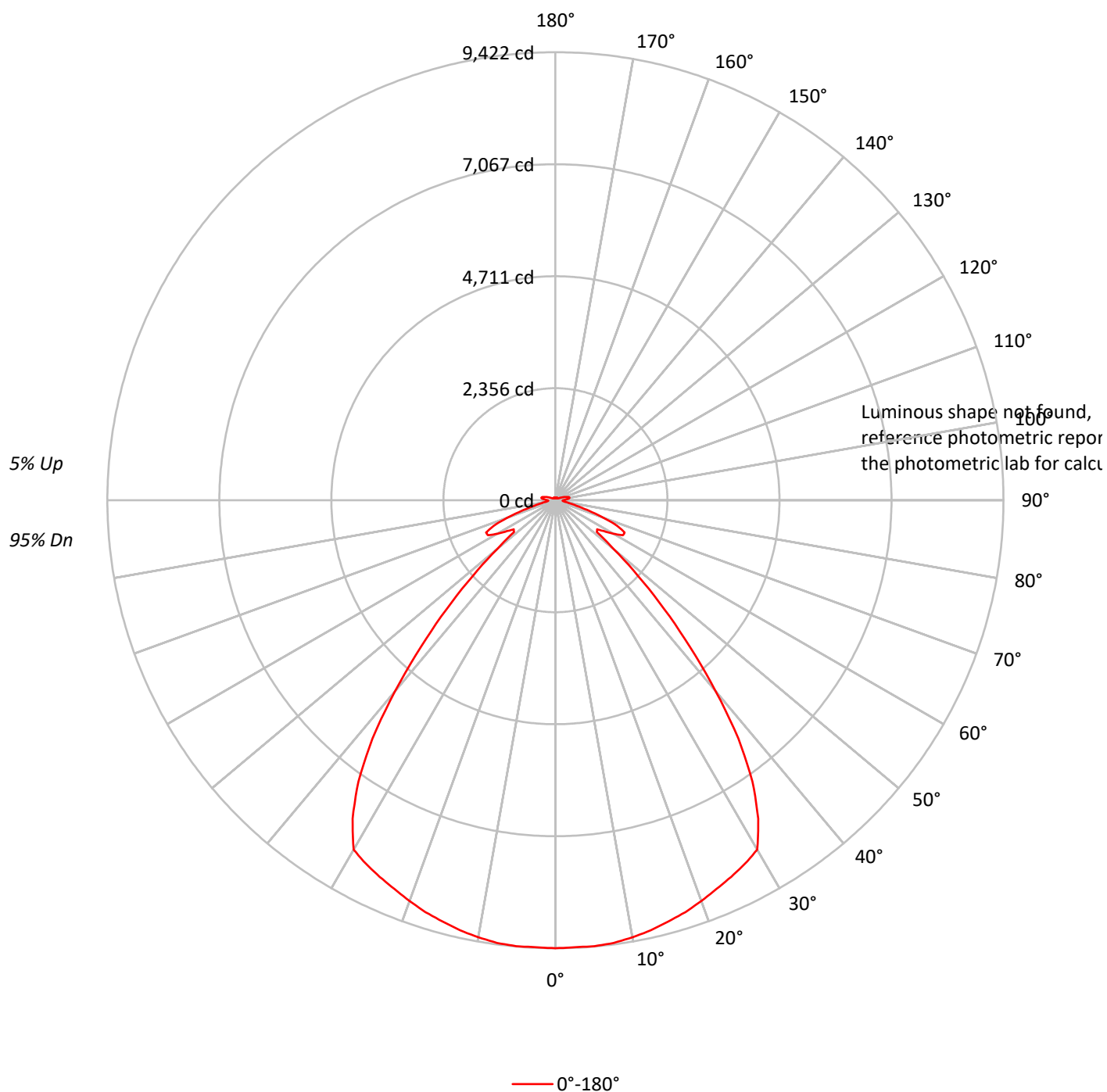
Lumens per Lamp: N/A
Luminaire Lumens: 18633.9 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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: P1504815

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Wide_120V)

Luminous Intensity Polar Plot



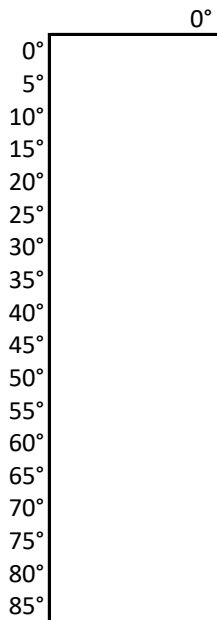
TEST NUMBER: P1504815

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_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: P1504815

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.0	4.8
10°-20°	2593.4	13.9
20°-30°	4036.6	21.7
30°-40°	4412.2	23.7
40°-50°	2516.4	13.5
50°-60°	1093.6	5.9
60°-70°	1453.9	7.8
70°-80°	580.8	3.1
80°-90°	181.9	1.0
90°-100°	262.3	1.4
100°-110°	274.3	1.5
110°-120°	135.3	0.7
120°-130°	63.3	0.3
130°-140°	49.7	0.3
140°-150°	38.8	0.2
150°-160°	26.1	0.1
160°-170°	14.9	0.1
170°-180°	4.3	0.0
0°-30°	7526.0	40.4
0°-40°	11938.2	64.1
0°-60°	15548.2	83.4
0°-90°	17764.9	95.3
90°-120°	671.9	3.6
90°-150°	823.8	4.4
90°-180°	869.0	4.7
0°-180°	18633.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9422	
5°	9414	896
15°	9171	2593
25°	8739	4037
35°	7223	4412
45°	3236	2516
55°	1068	1094
65°	1608	1454
75°	488	581
85°	152	139
90°	166	93
95°	244	212
105°	264	274
115°	132	135
125°	68	63
135°	64	50
145°	62	39
155°	56	26
165°	52	15
175°	44	4
180°	45	

TEST NUMBER: P1504815

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9421.9
2.5°	9408.0
5°	9413.8
7.5°	9390.5
10°	9332.2
12.5°	9263.5
15°	9171.4
17.5°	9082.9
20°	8969.8
22.5°	8849.8
25°	8739.1
27.5°	8622.6
30°	8485.1
32.5°	7937.5
35°	7223.2
37.5°	6320.1
40°	5245.8
42.5°	4184.3
45°	3235.8
47.5°	2353.7
50°	1599.8
52.5°	1098.8
55°	1068.5
57.5°	1206.0
60°	1408.7
62.5°	1601.0
65°	1608.0
67.5°	1411.1
70°	1086.0
72.5°	743.4
75°	488.2
77.5°	322.8
80°	222.6
82.5°	171.3
85°	151.5
87.5°	150.3
90°	165.5
92.5°	200.4
95°	243.5
97.5°	284.3
100°	303.0
102.5°	293.6
105°	264.5
107.5°	228.4
110°	194.6

TEST NUMBER: P1504815

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.0
115°	131.7
117.5°	107.2
120°	88.6
122.5°	75.7
125°	67.6
127.5°	62.9
130°	61.8
132.5°	62.9
135°	64.1
137.5°	66.4
140°	65.3
142.5°	64.1
145°	61.8
147.5°	59.4
150°	57.1
152.5°	57.1
155°	55.9
157.5°	55.9
160°	55.9
162.5°	54.8
165°	52.4
167.5°	50.1
170°	46.6
172.5°	44.3
175°	44.3
177.5°	45.4
180°	45.4

(END OF REPORT)