

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: P1504814

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504814
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

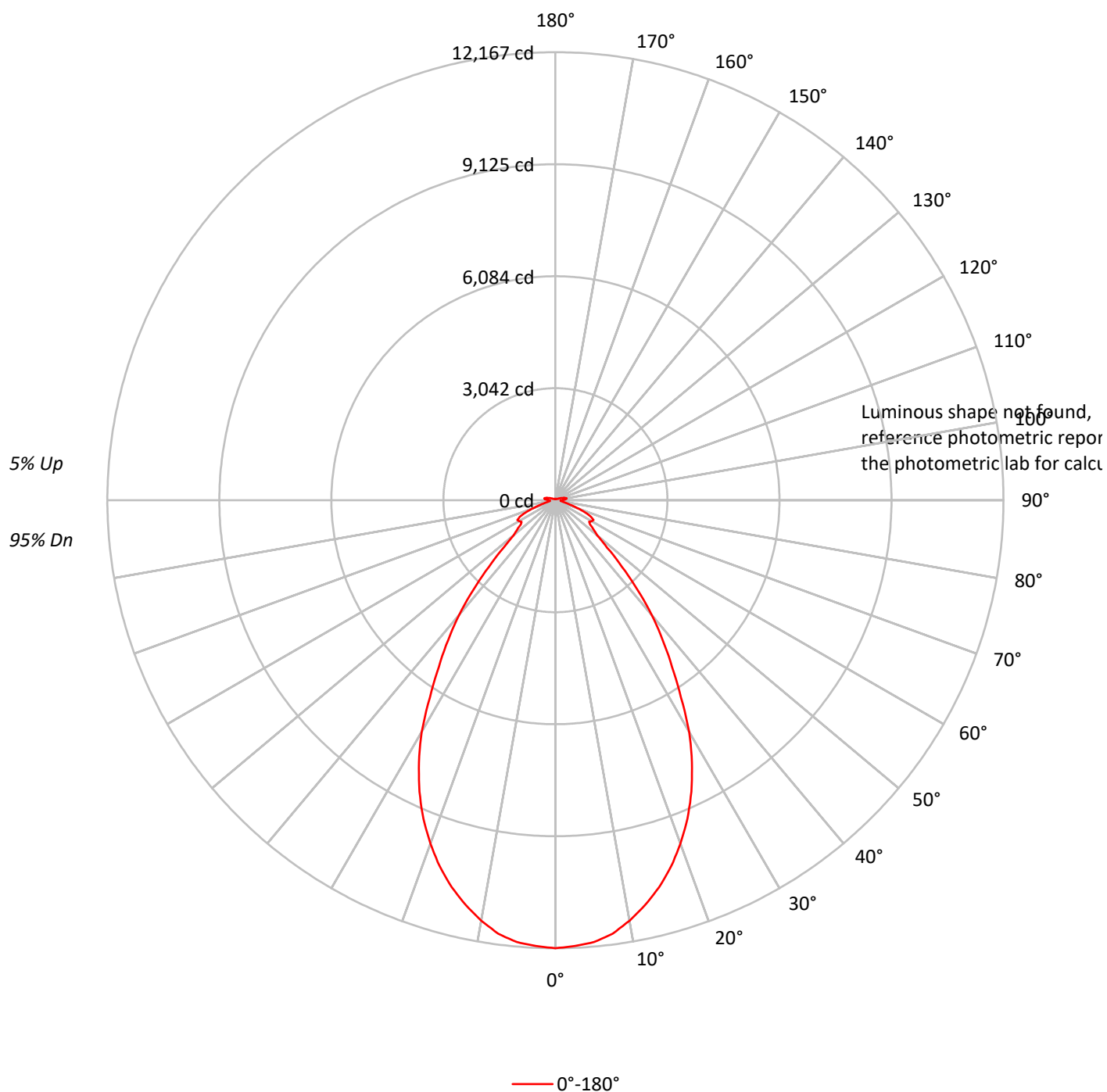
Lumens per Lamp: N/A
Luminaire Lumens: 17089.1 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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: P1504814

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Narrow_120V)

Luminous Intensity Polar Plot





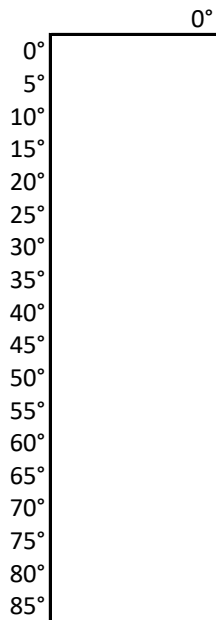
TEST NUMBER: P1504814

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_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	95							
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85							
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76							
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68							
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61							
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55							
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50							
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46							
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43							
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39							
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37							

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504814

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1135.4	6.6
10°-20°	3047.1	17.8
20°-30°	3981.8	23.3
30°-40°	3465.4	20.3
40°-50°	2013.0	11.8
50°-60°	1084.9	6.3
60°-70°	995.7	5.8
70°-80°	373.9	2.2
80°-90°	169.6	1.0
90°-100°	281.4	1.6
100°-110°	261.9	1.5
110°-120°	119.9	0.7
120°-130°	52.5	0.3
130°-140°	39.1	0.2
140°-150°	30.6	0.2
150°-160°	21.2	0.1
160°-170°	12.4	0.1
170°-180°	3.4	0.0
0°-30°	8164.3	47.8
0°-40°	11629.6	68.1
0°-60°	14727.5	86.2
0°-90°	16266.7	95.2
90°-120°	663.2	3.9
90°-150°	785.5	4.6
90°-180°	822.0	4.8
0°-180°	17089.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12167	
5°	12044	###
15°	10880	3047
25°	8734	3982
35°	5517	3465
45°	2554	2013
55°	1145	1085
65°	1072	996
75°	317	374
85°	143	123
90°	182	102
95°	267	226
105°	249	262
115°	116	120
125°	56	52
135°	50	39
145°	49	31
155°	45	21
165°	44	12
175°	35	3
180°	36	

TEST NUMBER: P1504814

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12167.2
2.5°	12115.9
5°	12043.7
7.5°	11874.7
10°	11592.7
12.5°	11260.7
15°	10879.6
17.5°	10435.7
20°	9925.3
22.5°	9367.2
25°	8734.5
27.5°	8026.0
30°	7264.0
32.5°	6343.4
35°	5517.3
37.5°	4786.7
40°	4065.4
42.5°	3305.7
45°	2554.2
47.5°	1907.5
50°	1485.7
52.5°	1308.5
55°	1145.4
57.5°	1087.1
60°	1136.1
62.5°	1166.4
65°	1072.0
67.5°	886.7
70°	664.2
72.5°	461.4
75°	316.9
77.5°	224.9
80°	171.3
82.5°	146.8
85°	143.3
87.5°	155.0
90°	181.8
92.5°	222.6
95°	266.8
97.5°	299.5
100°	305.3
102.5°	285.5
105°	249.4
107.5°	212.1
110°	177.1

TEST NUMBER: P1504814

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	144.5
115°	116.5
117.5°	93.2
120°	75.7
122.5°	62.9
125°	55.9
127.5°	51.3
130°	50.1
132.5°	50.1
135°	50.1
137.5°	51.3
140°	51.3
142.5°	50.1
145°	48.9
147.5°	46.6
150°	46.6
152.5°	45.4
155°	45.4
157.5°	45.4
160°	46.6
162.5°	45.4
165°	44.3
167.5°	40.8
170°	37.3
172.5°	35.0
175°	35.0
177.5°	36.1
180°	36.1

(END OF REPORT)