

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: P1504472

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504472
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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-A-06-CLER-PS (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

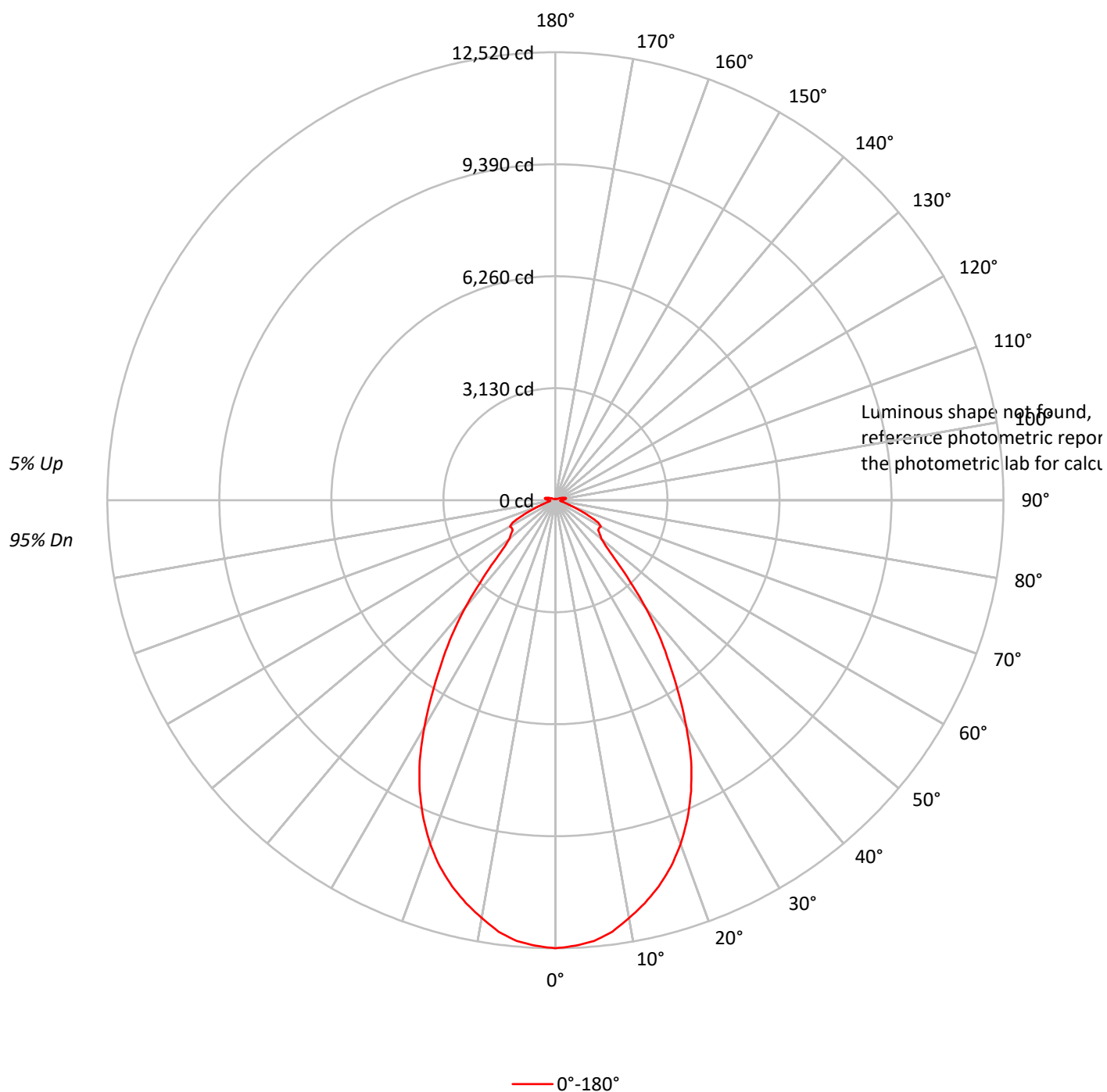
Lumens per Lamp: N/A
Luminaire Lumens: 17463.6 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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: P1504472

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Narrow_120V)

Luminous Intensity Polar Plot



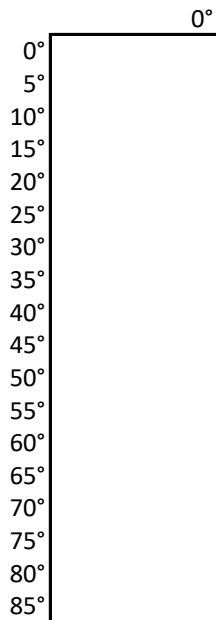
TEST NUMBER: P1504472

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_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	0		
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	97	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	88	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	66	73	68	64	70	66	63	61		
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	54	64	58	54	62	57	53	60	56	52	50		
7	74	62	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	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504472

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1164.1	6.7
10°-20°	3128.4	17.9
20°-30°	4078.7	23.4
30°-40°	3464.3	19.8
40°-50°	1955.9	11.2
50°-60°	1352.7	7.7
60°-70°	1001.4	5.7
70°-80°	317.3	1.8
80°-90°	165.9	1.0
90°-100°	271.4	1.6
100°-110°	273.9	1.6
110°-120°	130.6	0.7
120°-130°	55.1	0.3
130°-140°	38.1	0.2
140°-150°	29.9	0.2
150°-160°	21.2	0.1
160°-170°	11.4	0.1
170°-180°	3.0	0.0
0°-30°	8371.2	47.9
0°-40°	11835.5	67.8
0°-60°	15144.2	86.7
0°-90°	16628.9	95.2
90°-120°	675.9	3.9
90°-150°	799.0	4.6
90°-180°	835.0	4.8
0°-180°	17463.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12520	
5°	12364	###
15°	11166	3128
25°	8968	4079
35°	5539	3464
45°	2407	1956
55°	1458	1353
65°	1025	1001
75°	285	317
85°	140	121
90°	177	99
95°	254	218
105°	263	274
115°	127	131
125°	59	55
135°	49	38
145°	48	30
155°	46	21
165°	40	11
175°	30	3
180°	30	

TEST NUMBER: P1504472

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12520.2
2.5°	12463.9
5°	12364.5
7.5°	12162.2
10°	11855.6
12.5°	11532.3
15°	11165.9
17.5°	10736.1
20°	10223.6
22.5°	9635.6
25°	8967.5
27.5°	8211.9
30°	7316.2
32.5°	6408.6
35°	5539.3
37.5°	4746.6
40°	3935.9
42.5°	3089.3
45°	2406.8
47.5°	1927.8
50°	1671.6
52.5°	1568.6
55°	1458.5
57.5°	1442.9
60°	1468.0
62.5°	1336.3
65°	1025.0
67.5°	717.3
70°	500.5
72.5°	371.2
75°	285.0
77.5°	214.3
80°	167.6
82.5°	143.7
85°	140.1
87.5°	152.1
90°	177.2
92.5°	213.1
95°	253.9
97.5°	288.6
100°	302.9
102.5°	292.2
105°	263.4
107.5°	229.9
110°	194.0

TEST NUMBER: P1504472

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.1
115°	126.9
117.5°	100.6
120°	81.4
122.5°	67.1
125°	58.7
127.5°	52.7
130°	50.3
132.5°	49.1
135°	49.1
137.5°	49.1
140°	49.1
142.5°	47.9
145°	47.9
147.5°	46.7
150°	46.7
152.5°	46.7
155°	45.5
157.5°	45.5
160°	44.3
162.5°	43.1
165°	39.5
167.5°	37.1
170°	34.7
172.5°	32.3
175°	29.9
177.5°	29.9
180°	29.9

(END OF REPORT)