

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: P1504481

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504481
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 (6500K_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

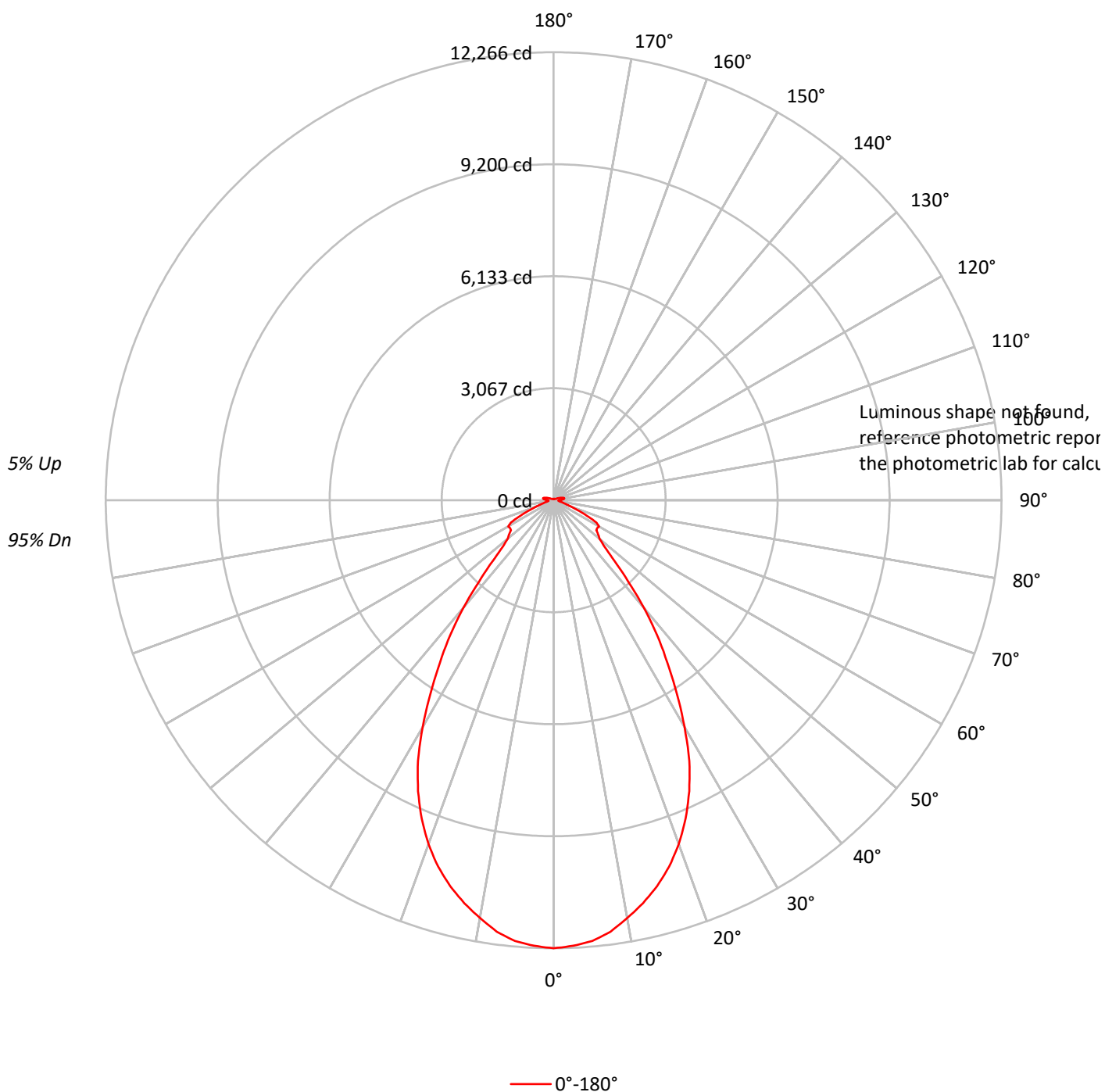
Lumens per Lamp: N/A
Luminaire Lumens: 17109.1 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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: P1504481

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Narrow_120V)

Luminous Intensity Polar Plot



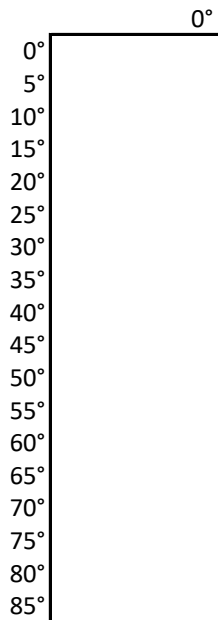
TEST NUMBER: P1504481

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_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: P1504481

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1140.4	6.7
10°-20°	3064.9	17.9
20°-30°	3995.9	23.4
30°-40°	3394.0	19.8
40°-50°	1916.2	11.2
50°-60°	1325.3	7.7
60°-70°	981.1	5.7
70°-80°	310.9	1.8
80°-90°	162.6	1.0
90°-100°	265.9	1.6
100°-110°	268.3	1.6
110°-120°	127.9	0.7
120°-130°	53.9	0.3
130°-140°	37.4	0.2
140°-150°	29.3	0.2
150°-160°	20.8	0.1
160°-170°	11.2	0.1
170°-180°	3.0	0.0
0°-30°	8201.2	47.9
0°-40°	11595.2	67.8
0°-60°	14836.7	86.7
0°-90°	16291.3	95.2
90°-120°	662.1	3.9
90°-150°	782.8	4.6
90°-180°	818.0	4.8
0°-180°	17109.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12266	
5°	12114	###
15°	10939	3065
25°	8785	3996
35°	5427	3394
45°	2358	1916
55°	1429	1325
65°	1004	981
75°	279	311
85°	137	118
90°	174	97
95°	249	213
105°	258	268
115°	124	128
125°	58	54
135°	48	37
145°	47	29
155°	45	21
165°	39	11
175°	29	3
180°	29	

TEST NUMBER: P1504481

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12266.0
2.5°	12210.9
5°	12113.5
7.5°	11915.2
10°	11614.9
12.5°	11298.2
15°	10939.2
17.5°	10518.1
20°	10016.0
22.5°	9440.0
25°	8785.4
27.5°	8045.2
30°	7167.7
32.5°	6278.5
35°	5426.8
37.5°	4650.2
40°	3856.0
42.5°	3026.6
45°	2357.9
47.5°	1888.7
50°	1637.7
52.5°	1536.8
55°	1428.8
57.5°	1413.6
60°	1438.2
62.5°	1309.2
65°	1004.2
67.5°	702.7
70°	490.4
72.5°	363.7
75°	279.2
77.5°	210.0
80°	164.2
82.5°	140.8
85°	137.3
87.5°	149.0
90°	173.6
92.5°	208.8
95°	248.7
97.5°	282.7
100°	296.8
102.5°	286.2
105°	258.1
107.5°	225.2
110°	190.0

TEST NUMBER: P1504481

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.9
115°	124.3
117.5°	98.5
120°	79.8
122.5°	65.7
125°	57.5
127.5°	51.6
130°	49.3
132.5°	48.1
135°	48.1
137.5°	48.1
140°	48.1
142.5°	46.9
145°	46.9
147.5°	45.8
150°	45.8
152.5°	45.8
155°	44.6
157.5°	44.6
160°	43.4
162.5°	42.2
165°	38.7
167.5°	36.4
170°	34.0
172.5°	31.7
175°	29.3
177.5°	29.3
180°	29.3

(END OF REPORT)