

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: P1504825

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504825
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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 (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

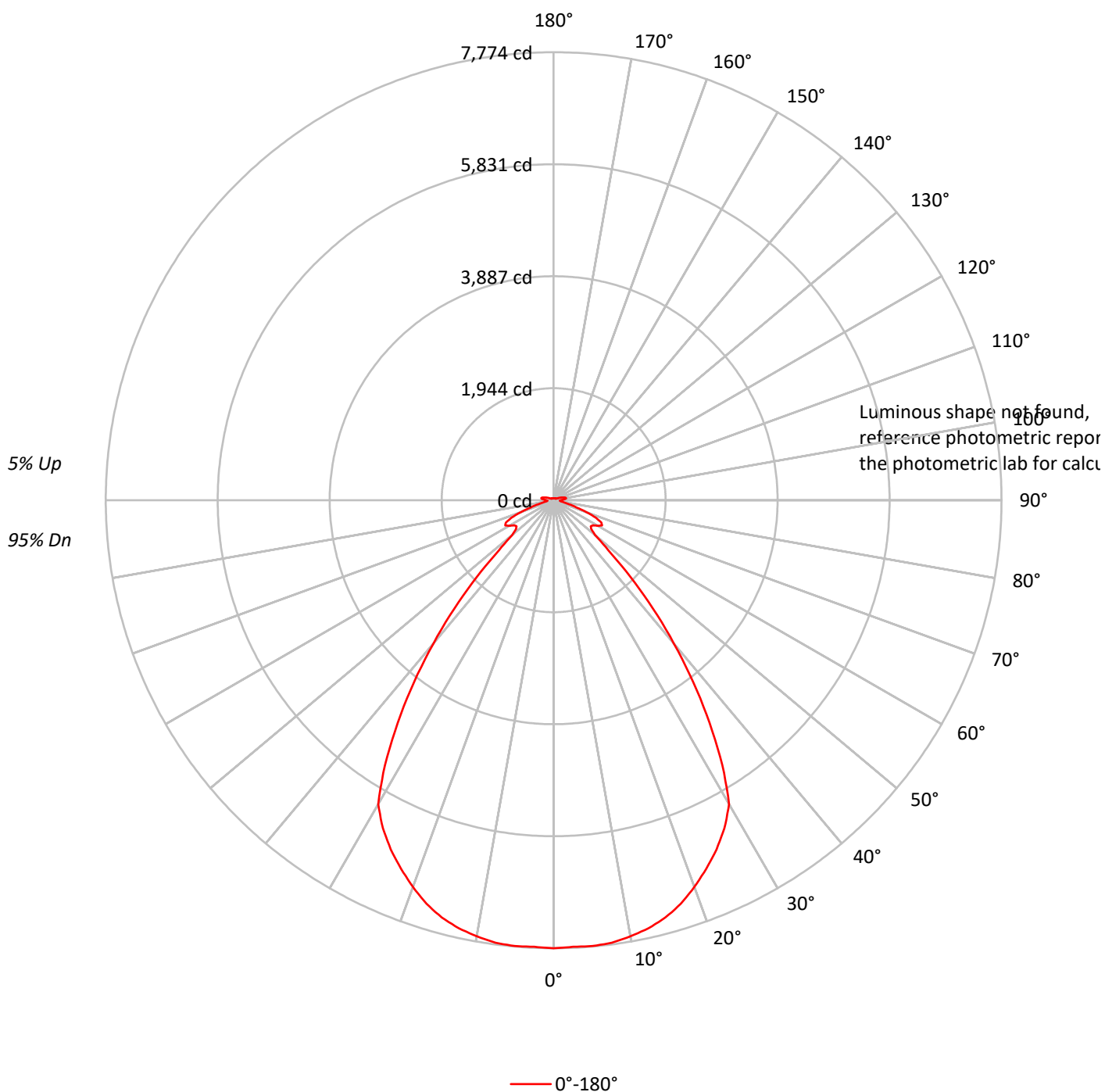
Lumens per Lamp: N/A
Luminaire Lumens: 12986.6 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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: P1504825

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504825

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_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	109	109	109	103	103	103	98	98	98	95		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85		
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75		
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67		
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60		
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54		
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38		
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504825

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.7	5.7
10°-20°	2108.3	16.2
20°-30°	3068.7	23.6
30°-40°	2920.2	22.5
40°-50°	1488.0	11.5
50°-60°	746.3	5.7
60°-70°	840.5	6.5
70°-80°	339.3	2.6
80°-90°	127.1	1.0
90°-100°	195.6	1.5
100°-110°	193.2	1.5
110°-120°	92.0	0.7
120°-130°	41.8	0.3
130°-140°	32.0	0.2
140°-150°	25.0	0.2
150°-160°	17.2	0.1
160°-170°	10.0	0.1
170°-180°	2.8	0.0
0°-30°	5915.7	45.6
0°-40°	8835.9	68.0
0°-60°	11070.2	85.2
0°-90°	12377.1	95.3
90°-120°	480.8	3.7
90°-150°	579.5	4.5
90°-180°	609.0	4.7
0°-180°	12986.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7774	
5°	7764	739
15°	7497	2108
25°	6687	3069
35°	4718	2920
45°	1886	1488
55°	786	746
65°	913	841
75°	288	339
85°	106	95
90°	124	70
95°	184	158
105°	186	193
115°	89	92
125°	44	42
135°	42	32
145°	40	25
155°	37	17
165°	36	10
175°	29	3
180°	30	

TEST NUMBER: P1504825

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7774.2
2.5°	7756.3
5°	7764.0
7.5°	7744.4
10°	7683.9
12.5°	7608.1
15°	7496.6
17.5°	7342.4
20°	7141.4
22.5°	6920.0
25°	6686.6
27.5°	6418.3
30°	6088.7
32.5°	5450.8
35°	4717.5
37.5°	3982.5
40°	3246.6
42.5°	2554.2
45°	1885.6
47.5°	1284.3
50°	938.6
52.5°	822.7
55°	786.1
57.5°	809.1
60°	884.1
62.5°	948.8
65°	913.0
67.5°	786.1
70°	609.0
72.5°	427.5
75°	287.9
77.5°	198.4
80°	143.1
82.5°	115.8
85°	106.5
87.5°	109.9
90°	124.3
92.5°	151.6
95°	184.0
97.5°	210.4
100°	218.9
102.5°	207.8
105°	185.7
107.5°	159.3
110°	133.7

TEST NUMBER: P1504825

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.7
115°	89.4
117.5°	72.4
120°	58.8
122.5°	50.2
125°	44.3
127.5°	41.7
130°	40.0
132.5°	40.9
135°	41.7
137.5°	41.7
140°	41.7
142.5°	40.9
145°	40.0
147.5°	38.3
150°	37.5
152.5°	37.5
155°	36.6
157.5°	36.6
160°	37.5
162.5°	36.6
165°	35.8
167.5°	33.2
170°	30.7
172.5°	29.0
175°	29.0
177.5°	29.0
180°	29.8

(END OF REPORT)