

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: P1504446

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504446
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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 (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

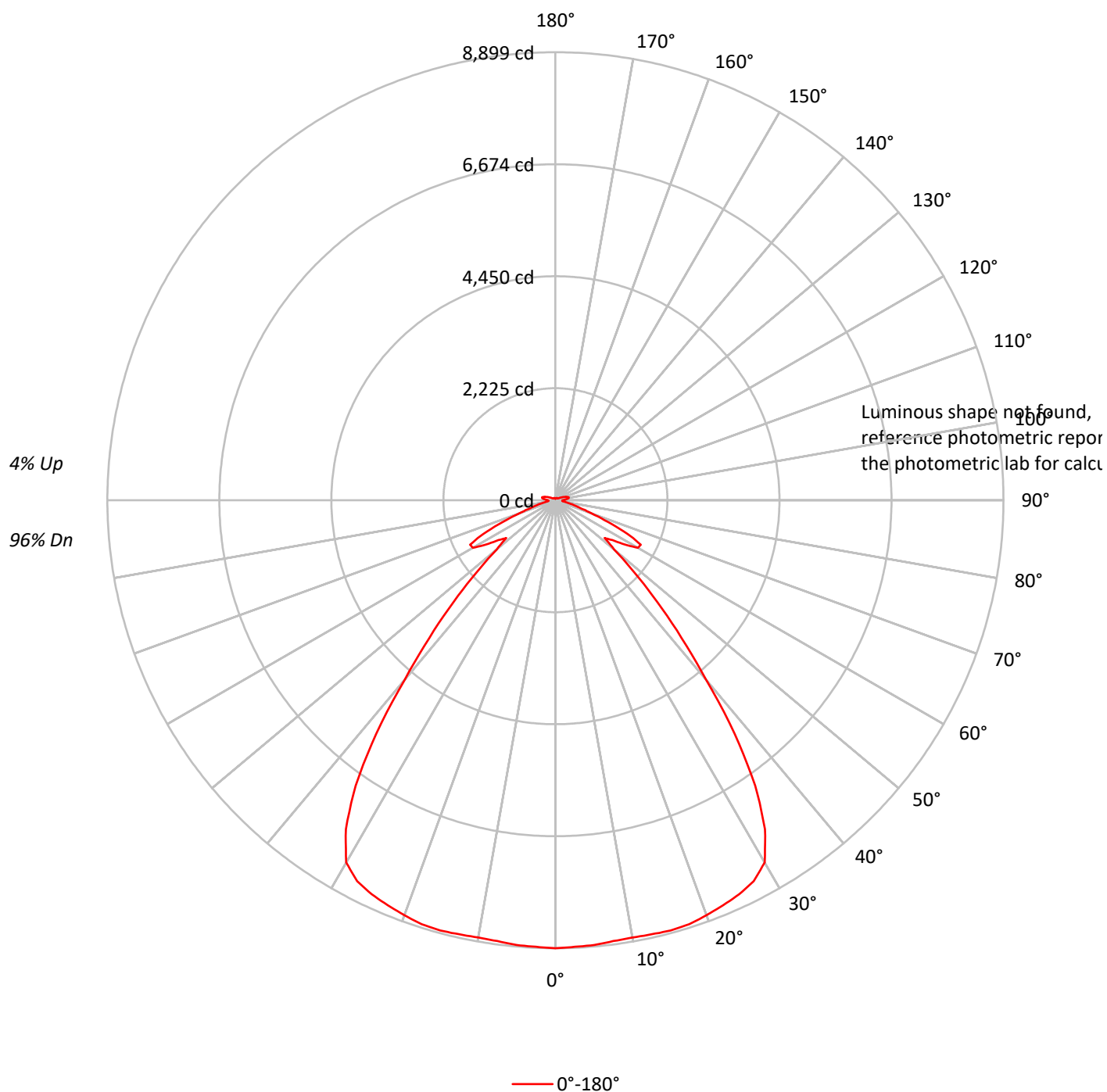
Lumens per Lamp: N/A
Luminaire Lumens: 17977.9 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504446

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Wide_120V)

Luminous Intensity Polar Plot





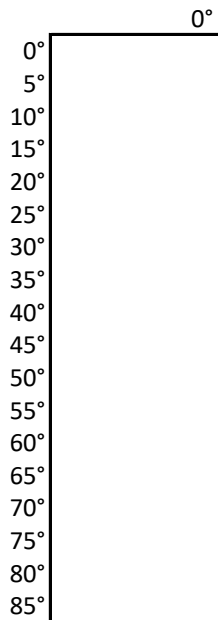
TEST NUMBER: P1504446

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_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	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	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	54	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504446

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.4	4.7
10°-20°	2501.4	13.9
20°-30°	3976.2	22.1
30°-40°	4194.9	23.3
40°-50°	2247.9	12.5
50°-60°	1339.7	7.5
60°-70°	1468.2	8.2
70°-80°	436.8	2.4
80°-90°	163.6	0.9
90°-100°	230.9	1.3
100°-110°	258.4	1.4
110°-120°	135.1	0.8
120°-130°	61.6	0.3
130°-140°	44.4	0.2
140°-150°	34.5	0.2
150°-160°	23.9	0.1
160°-170°	12.8	0.1
170°-180°	3.3	0.0
0°-30°	7322.0	40.7
0°-40°	11516.9	64.1
0°-60°	15104.5	84.0
0°-90°	17173.0	95.5
90°-120°	624.3	3.5
90°-150°	764.8	4.3
90°-180°	805.0	4.5
0°-180°	17977.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8899	
5°	8868	844
15°	8847	2501
25°	8634	3976
35°	6921	4195
45°	2854	2248
55°	1378	1340
65°	1583	1468
75°	381	437
85°	136	124
90°	149	84
95°	212	186
105°	250	258
115°	133	135
125°	65	62
135°	57	44
145°	54	34
155°	52	24
165°	45	13
175°	33	3
180°	30	

TEST NUMBER: P1504446

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8899.1
2.5°	8880.0
5°	8867.6
7.5°	8831.6
10°	8818.2
12.5°	8831.6
15°	8847.4
17.5°	8828.3
20°	8773.2
22.5°	8706.9
25°	8633.9
27.5°	8529.4
30°	8308.1
32.5°	7746.4
35°	6920.6
37.5°	5848.8
40°	4659.1
42.5°	3704.1
45°	2853.6
47.5°	2133.5
50°	1522.3
52.5°	1231.3
55°	1378.5
57.5°	1635.8
60°	1891.9
62.5°	1911.0
65°	1583.0
67.5°	1130.2
70°	758.3
72.5°	525.8
75°	380.9
77.5°	274.1
80°	198.9
82.5°	153.9
85°	135.9
87.5°	135.9
90°	149.4
92.5°	176.4
95°	212.3
97.5°	248.3
100°	270.8
102.5°	269.6
105°	250.5
107.5°	223.6
110°	193.2

TEST NUMBER: P1504446

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.8
115°	132.6
117.5°	106.7
120°	87.6
122.5°	75.3
125°	65.2
127.5°	60.7
130°	57.3
132.5°	57.3
135°	57.3
137.5°	57.3
140°	57.3
142.5°	56.2
145°	53.9
147.5°	53.9
150°	52.8
152.5°	52.8
155°	51.7
157.5°	50.6
160°	49.4
162.5°	48.3
165°	44.9
167.5°	41.6
170°	38.2
172.5°	34.8
175°	32.6
177.5°	31.5
180°	30.3

(END OF REPORT)