

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: P1504857

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504857
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)
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-TRWH-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

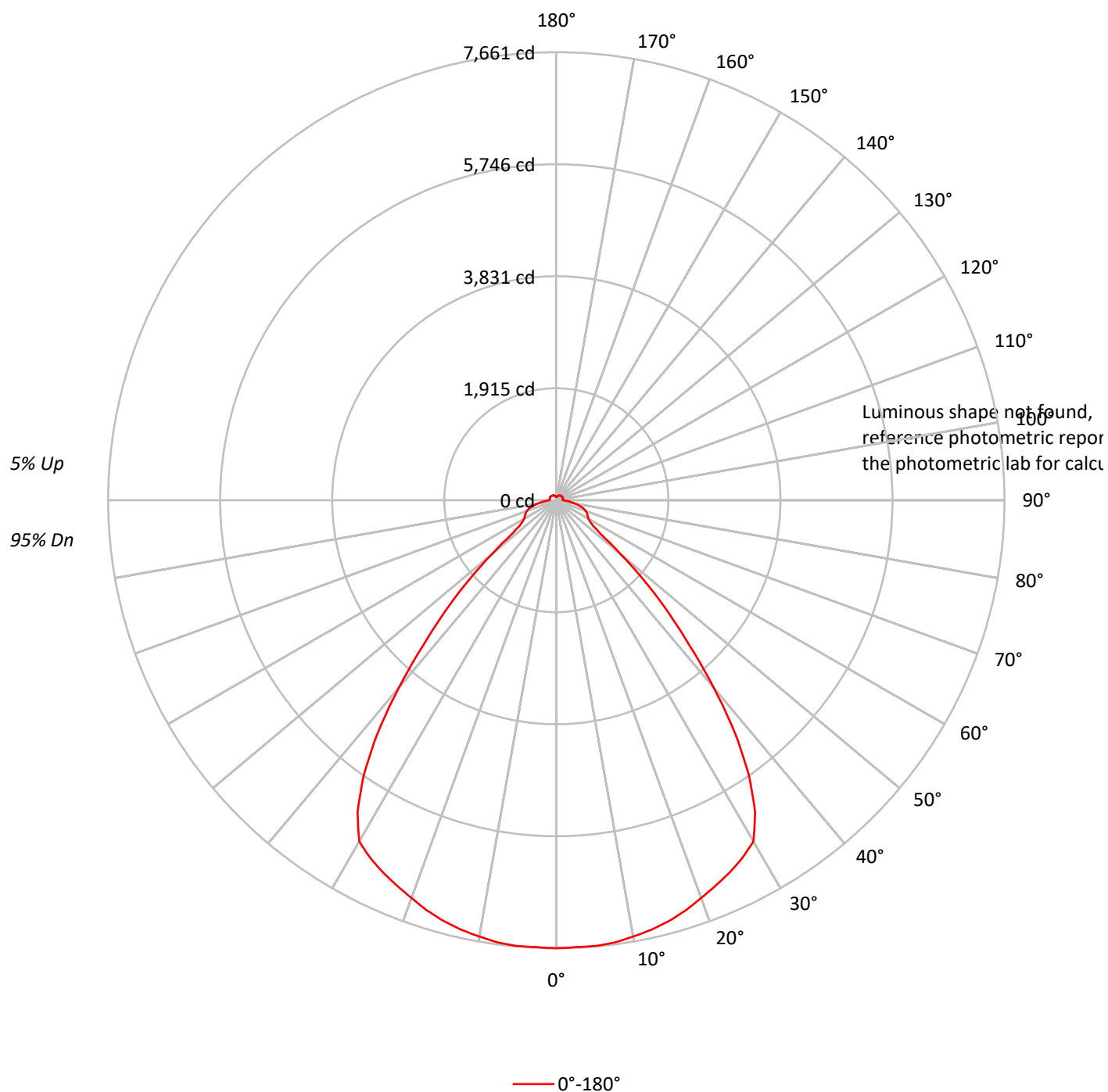
Lumens per Lamp: N/A
Luminaire Lumens: 14383.9 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.5
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: P1504857

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Wide_120V)

Luminous Intensity Polar Plot





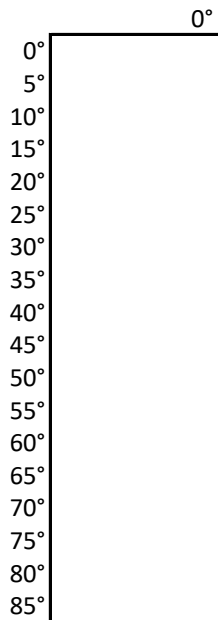
TEST NUMBER: P1504857

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_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	108	108	108	103	103	103	98	98	98	95							
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	89	88	86	84							
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	74							
3	95	86	80	75	92	85	79	74	81	76	72	78	74	70	75	71	68	66							
4	89	79	71	66	86	77	70	65	74	68	64	71	67	63	69	65	61	59							
5	83	72	64	59	80	71	64	58	68	62	57	66	60	56	64	59	55	53							
6	77	66	58	53	75	65	58	53	63	56	52	61	55	51	59	54	50	48							
7	72	61	53	48	70	60	53	48	58	52	47	56	51	46	55	50	46	44							
8	68	56	49	44	66	55	48	43	54	47	43	52	47	42	51	46	42	40							
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	47	42	39	37							
10	60	48	41	37	59	48	41	37	47	40	36	45	40	36	44	39	36	34							

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504857

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	728.0	5.1
10°-20°	2102.1	14.6
20°-30°	3236.8	22.5
30°-40°	3508.9	24.4
40°-50°	2086.3	14.5
50°-60°	771.5	5.4
60°-70°	580.7	4.0
70°-80°	461.6	3.2
80°-90°	227.4	1.6
90°-100°	123.9	0.9
100°-110°	124.0	0.9
110°-120°	116.4	0.8
120°-130°	102.2	0.7
130°-140°	83.3	0.6
140°-150°	62.9	0.4
150°-160°	41.6	0.3
160°-170°	20.8	0.1
170°-180°	5.5	0.0
0°-30°	6067.0	42.2
0°-40°	9575.8	66.6
0°-60°	12433.7	86.4
0°-90°	13703.3	95.3
90°-120°	364.4	2.5
90°-150°	612.7	4.3
90°-180°	681.0	4.7
0°-180°	14383.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7661	
5°	7653	728
15°	7448	2102
25°	7019	3237
35°	5739	3509
45°	2686	2086
55°	764	772
65°	586	581
75°	443	462
85°	204	191
90°	113	67
95°	113	93
105°	117	124
115°	117	116
125°	114	102
135°	108	83
145°	100	63
155°	90	42
165°	72	21
175°	55	6
180°	55	

TEST NUMBER: P1504857

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7661.3
2.5°	7648.9
5°	7652.8
7.5°	7629.0
10°	7575.7
12.5°	7521.4
15°	7448.2
17.5°	7354.0
20°	7239.8
22.5°	7129.4
25°	7019.0
27.5°	6891.5
30°	6739.2
32.5°	6323.4
35°	5739.1
37.5°	5015.9
40°	4189.9
42.5°	3373.4
45°	2686.4
47.5°	2043.1
50°	1451.2
52.5°	972.5
55°	764.1
57.5°	689.0
60°	632.8
62.5°	608.1
65°	586.2
67.5°	564.3
70°	534.8
72.5°	493.9
75°	443.4
77.5°	383.5
80°	320.7
82.5°	259.8
85°	203.6
87.5°	154.2
90°	113.2
92.5°	111.3
95°	113.2
97.5°	115.1
100°	116.1
102.5°	117.0
105°	117.0
107.5°	118.0
110°	118.0

TEST NUMBER: P1504857

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.0
115°	117.0
117.5°	117.0
120°	116.1
122.5°	115.1
125°	114.2
127.5°	112.3
130°	111.3
132.5°	109.4
135°	107.5
137.5°	105.6
140°	103.7
142.5°	101.8
145°	99.9
147.5°	98.0
150°	96.1
152.5°	93.3
155°	89.5
157.5°	85.6
160°	81.8
162.5°	77.1
165°	72.3
167.5°	67.6
170°	62.8
172.5°	58.0
175°	55.2
177.5°	56.1
180°	55.2

(END OF REPORT)