

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: P1504876

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504876
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

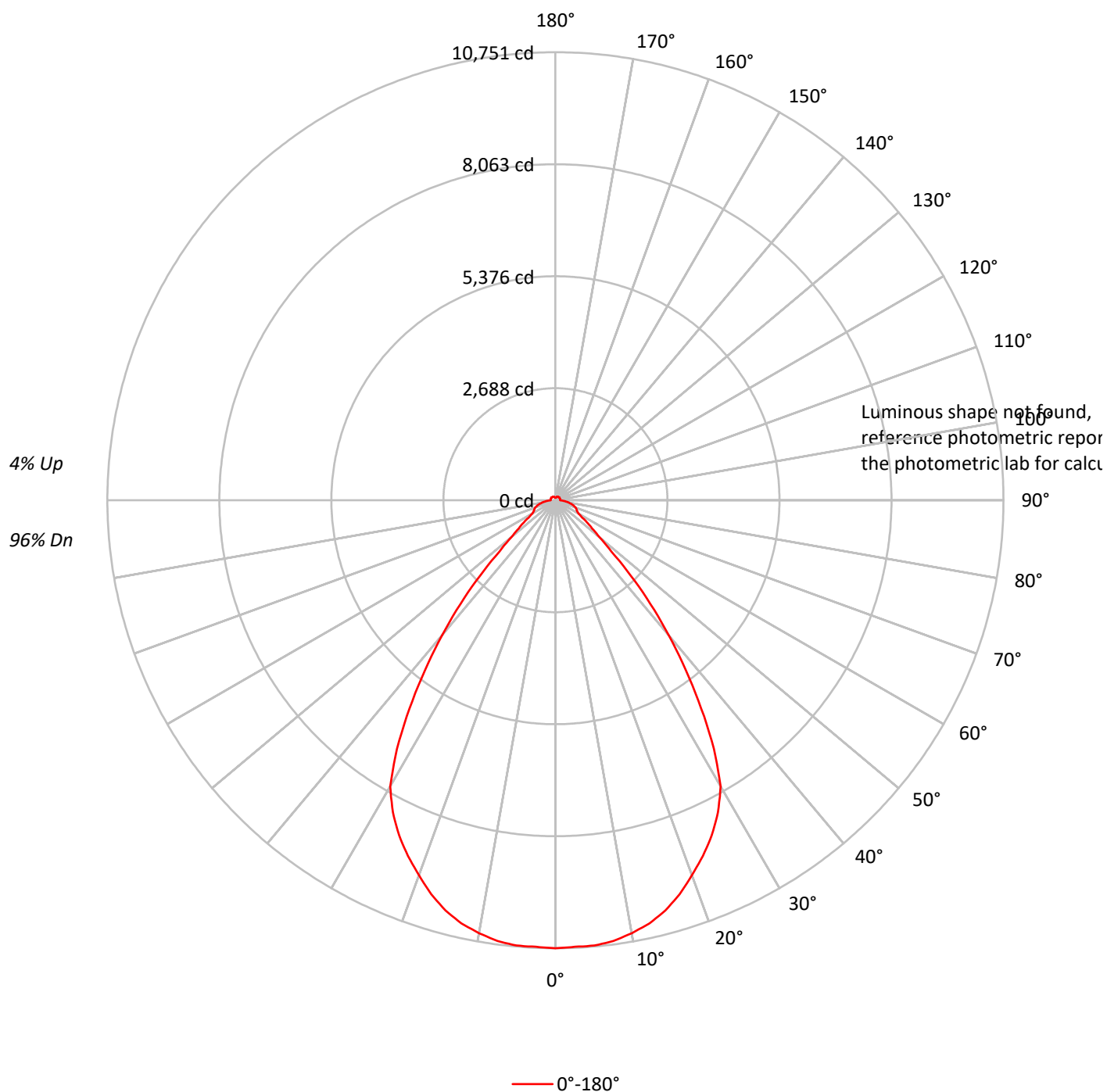
Lumens per Lamp: N/A
Luminaire Lumens: 16489.4 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	79	79	79	79	76			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	71	71	71	71	69			
4	90	81	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53	53	53	53	53	51			
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49	49	49	49	49	47			
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45	45	45	45	45	43			
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42	42	42	42	42	40			
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	39	39	39	39	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.2	6.2
10°-20°	2861.0	17.4
20°-30°	4064.2	24.6
30°-40°	3785.4	23.0
40°-50°	2011.2	12.2
50°-60°	841.3	5.1
60°-70°	565.0	3.4
70°-80°	445.8	2.7
80°-90°	229.0	1.4
90°-100°	121.3	0.7
100°-110°	121.3	0.7
110°-120°	113.5	0.7
120°-130°	99.9	0.6
130°-140°	81.8	0.5
140°-150°	62.3	0.4
150°-160°	41.4	0.3
160°-170°	21.1	0.1
170°-180°	5.7	0.0
0°-30°	7943.4	48.2
0°-40°	11728.8	71.1
0°-60°	14581.3	88.4
0°-90°	15821.1	95.9
90°-120°	356.1	2.2
90°-150°	600.1	3.6
90°-180°	668.0	4.1
0°-180°	16489.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10751	
5°	10727	###
15°	10195	2861
25°	8874	4064
35°	6102	3785
45°	2552	2011
55°	917	841
65°	565	565
75°	425	446
85°	208	193
90°	110	66
95°	111	91
105°	115	121
115°	115	114
125°	111	100
135°	106	82
145°	99	62
155°	90	41
165°	74	21
175°	57	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10751.3
2.5°	10726.1
5°	10727.2
7.5°	10667.5
10°	10548.2
12.5°	10401.2
15°	10194.6
17.5°	9911.1
20°	9577.1
22.5°	9239.7
25°	8873.5
27.5°	8446.6
30°	7927.8
32.5°	7073.8
35°	6101.6
37.5°	5144.4
40°	4226.2
42.5°	3375.6
45°	2551.5
47.5°	1821.5
50°	1375.0
52.5°	1109.9
55°	917.1
57.5°	744.9
60°	639.3
62.5°	594.6
65°	564.7
67.5°	544.1
70°	513.1
72.5°	472.9
75°	424.7
77.5°	374.2
80°	320.2
82.5°	262.8
85°	207.7
87.5°	155.0
90°	110.2
92.5°	109.0
95°	111.3
97.5°	112.5
100°	113.6
102.5°	114.8
105°	114.8
107.5°	114.8
110°	114.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.8
115°	114.8
117.5°	113.6
120°	113.6
122.5°	112.5
125°	111.3
127.5°	110.2
130°	109.0
132.5°	106.7
135°	105.6
137.5°	104.4
140°	102.2
142.5°	101.0
145°	98.7
147.5°	97.6
150°	95.3
152.5°	93.0
155°	89.5
157.5°	84.9
160°	82.6
162.5°	78.0
165°	73.5
167.5°	68.9
170°	64.3
172.5°	59.7
175°	57.4
177.5°	58.5
180°	57.4

(END OF REPORT)