

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: P1504500

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504500
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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-TRWH-PS (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

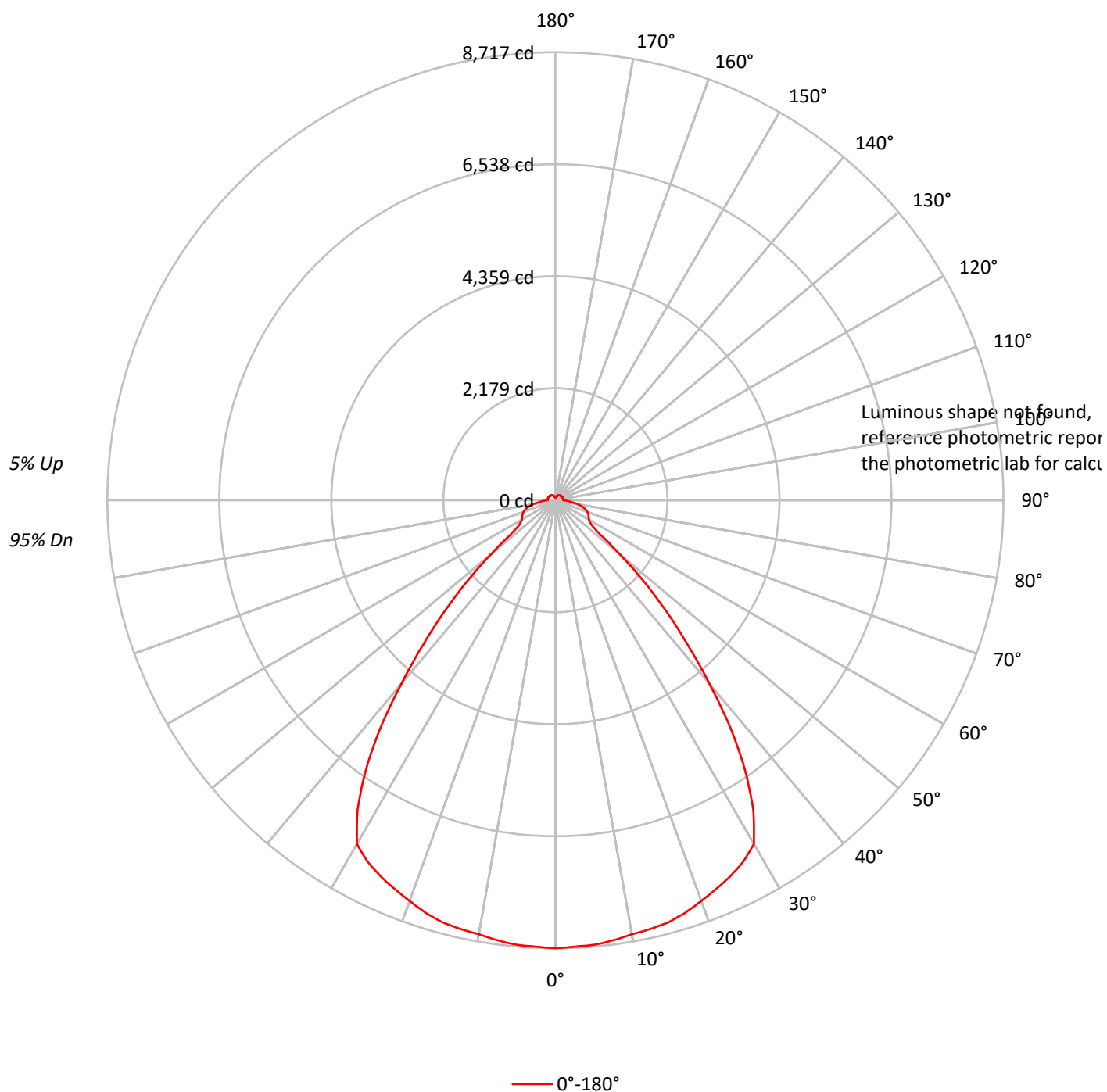
Lumens per Lamp: N/A
Luminaire Lumens: 16575.2 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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





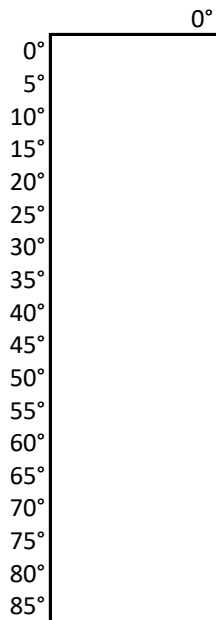
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	97	97	97	97	97	97	97	97			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	43			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	41	41	41	41	40			
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.2	5.0
10°-20°	2398.1	14.5
20°-30°	3716.7	22.4
30°-40°	3953.7	23.9
40°-50°	2347.8	14.2
50°-60°	885.1	5.3
60°-70°	703.6	4.2
70°-80°	597.2	3.6
80°-90°	311.6	1.9
90°-100°	162.0	1.0
100°-110°	158.6	1.0
110°-120°	145.1	0.9
120°-130°	124.2	0.7
130°-140°	99.7	0.6
140°-150°	74.0	0.4
150°-160°	46.4	0.3
160°-170°	21.2	0.1
170°-180°	5.0	0.0
0°-30°	6940.0	41.9
0°-40°	10893.7	65.7
0°-60°	14126.5	85.2
0°-90°	15739.0	95.0
90°-120°	465.7	2.8
90°-150°	763.6	4.6
90°-180°	836.0	5.0
0°-180°	16575.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8717	
5°	8684	825
15°	8502	2398
25°	8065	3717
35°	6448	3954
45°	3029	2348
55°	882	885
65°	709	704
75°	575	597
85°	282	262
90°	149	90
95°	148	121
105°	150	159
115°	146	145
125°	139	124
135°	128	100
145°	117	74
155°	99	46
165°	73	21
175°	49	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8717.3
2.5°	8694.1
5°	8684.2
7.5°	8636.7
10°	8577.0
12.5°	8542.7
15°	8501.8
17.5°	8413.4
20°	8297.4
22.5°	8183.6
25°	8065.4
27.5°	7925.0
30°	7721.7
32.5°	7169.2
35°	6447.7
37.5°	5611.2
40°	4652.0
42.5°	3801.2
45°	3028.8
47.5°	2315.0
50°	1637.6
52.5°	1097.3
55°	881.8
57.5°	802.2
60°	751.4
62.5°	730.4
65°	709.4
67.5°	690.6
70°	663.0
72.5°	625.4
75°	574.6
77.5°	511.6
80°	436.5
82.5°	358.0
85°	281.8
87.5°	211.1
90°	149.2
92.5°	147.0
95°	148.1
97.5°	149.2
100°	150.3
102.5°	150.3
105°	150.3
107.5°	149.2
110°	149.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.1
115°	145.9
117.5°	144.8
120°	142.5
122.5°	140.3
125°	139.2
127.5°	135.9
130°	133.7
132.5°	131.5
135°	128.2
137.5°	126.0
140°	123.8
142.5°	120.4
145°	117.1
147.5°	114.9
150°	111.6
152.5°	106.1
155°	99.4
157.5°	92.8
160°	87.3
162.5°	80.7
165°	72.9
167.5°	66.3
170°	59.7
172.5°	54.1
175°	48.6
177.5°	46.4
180°	46.4

(END OF REPORT)