

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: P1504684

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504684
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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-04-TRWH-PS (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

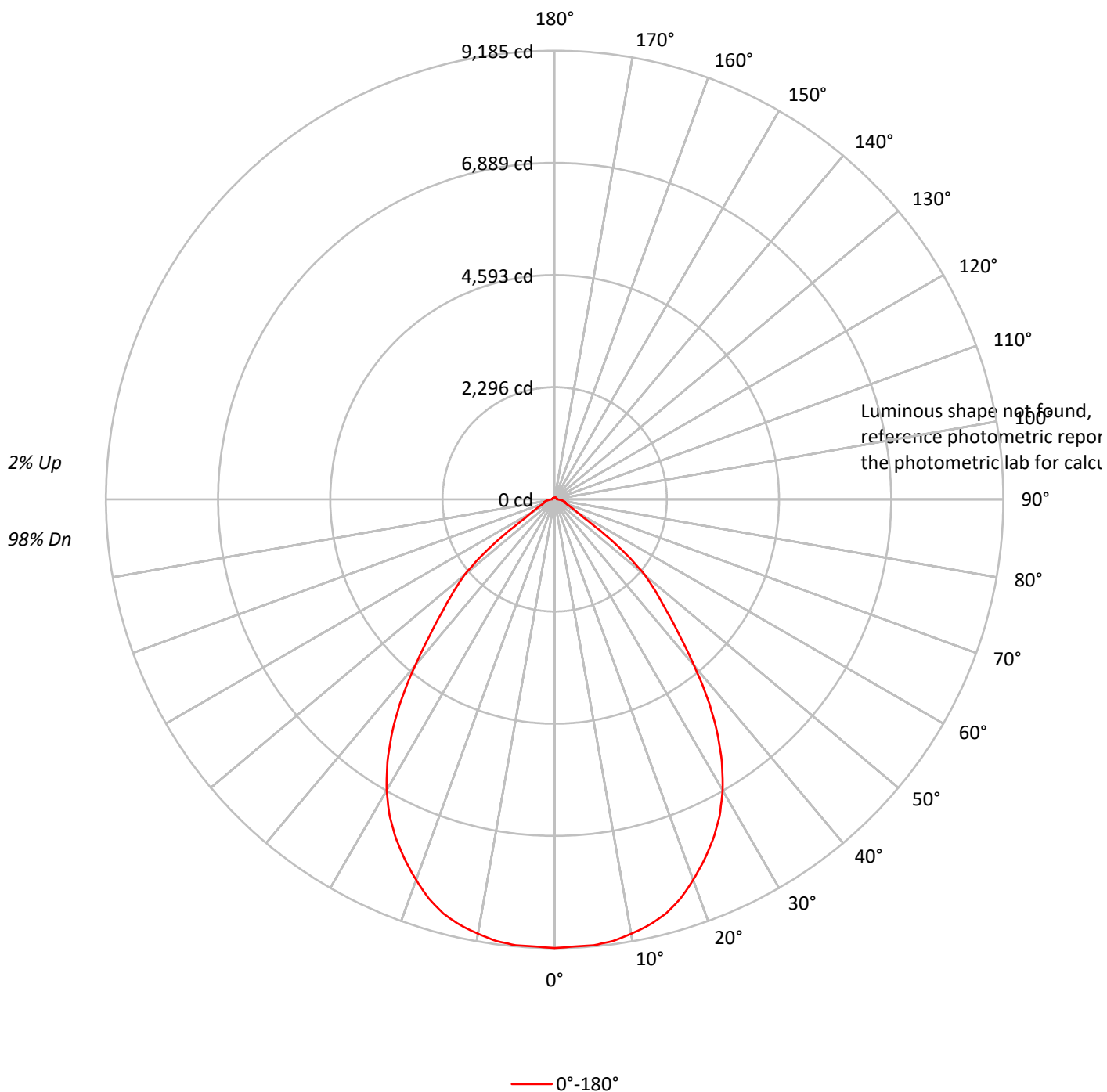
Lumens per Lamp: N/A
Luminaire Lumens: 15140.4 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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

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Luminous Intensity Polar Plot





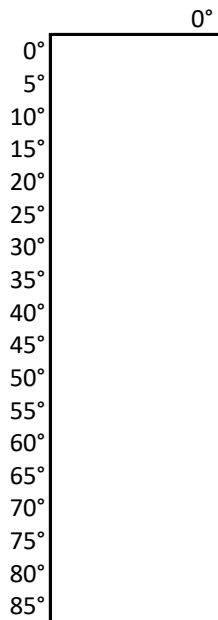
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.4	5.7
10°-20°	2465.4	16.3
20°-30°	3517.6	23.2
30°-40°	3576.8	23.6
40°-50°	2549.7	16.8
50°-60°	1170.6	7.7
60°-70°	366.2	2.4
70°-80°	230.7	1.5
80°-90°	122.6	0.8
90°-100°	47.9	0.3
100°-110°	48.3	0.3
110°-120°	45.3	0.3
120°-130°	39.8	0.3
130°-140°	33.4	0.2
140°-150°	26.2	0.2
150°-160°	17.8	0.1
160°-170°	9.2	0.1
170°-180°	2.6	0.0
0°-30°	6853.4	45.3
0°-40°	10430.1	68.9
0°-60°	14150.4	93.5
0°-90°	14869.9	98.2
90°-120°	141.5	0.9
90°-150°	240.9	1.6
90°-180°	271.0	1.8
0°-180°	15140.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9185	
5°	9161	870
15°	8783	2465
25°	7675	3518
35°	5790	3577
45°	3242	2550
55°	1241	1171
65°	352	366
75°	221	231
85°	114	106
90°	44	29
95°	44	36
105°	46	48
115°	46	45
125°	45	40
135°	43	33
145°	42	26
155°	39	18
165°	32	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9185.4
2.5°	9162.0
5°	9161.0
7.5°	9120.3
10°	9029.8
12.5°	8927.1
15°	8782.6
17.5°	8568.0
20°	8290.3
22.5°	7993.4
25°	7675.0
27.5°	7308.9
30°	6878.6
32.5°	6370.1
35°	5790.3
37.5°	5146.5
40°	4437.6
42.5°	3793.8
45°	3242.5
47.5°	2817.4
50°	2411.5
52.5°	1854.2
55°	1240.9
57.5°	719.1
60°	553.3
62.5°	438.4
65°	351.9
67.5°	288.9
70°	255.3
72.5°	233.9
75°	220.7
77.5°	202.4
80°	177.0
82.5°	147.5
85°	113.9
87.5°	78.3
90°	43.7
92.5°	42.7
95°	43.7
97.5°	44.8
100°	44.8
102.5°	45.8
105°	45.8
107.5°	45.8
110°	45.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.8
115°	45.8
117.5°	45.8
120°	44.8
122.5°	44.8
125°	44.8
127.5°	43.7
130°	43.7
132.5°	43.7
135°	42.7
137.5°	42.7
140°	42.7
142.5°	41.7
145°	41.7
147.5°	41.7
150°	40.7
152.5°	39.7
155°	38.6
157.5°	36.6
160°	35.6
162.5°	33.6
165°	32.5
167.5°	30.5
170°	28.5
172.5°	27.5
175°	26.4
177.5°	26.4
180°	26.4

(END OF REPORT)