

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: P1504837

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504837
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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-CLER-PS (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

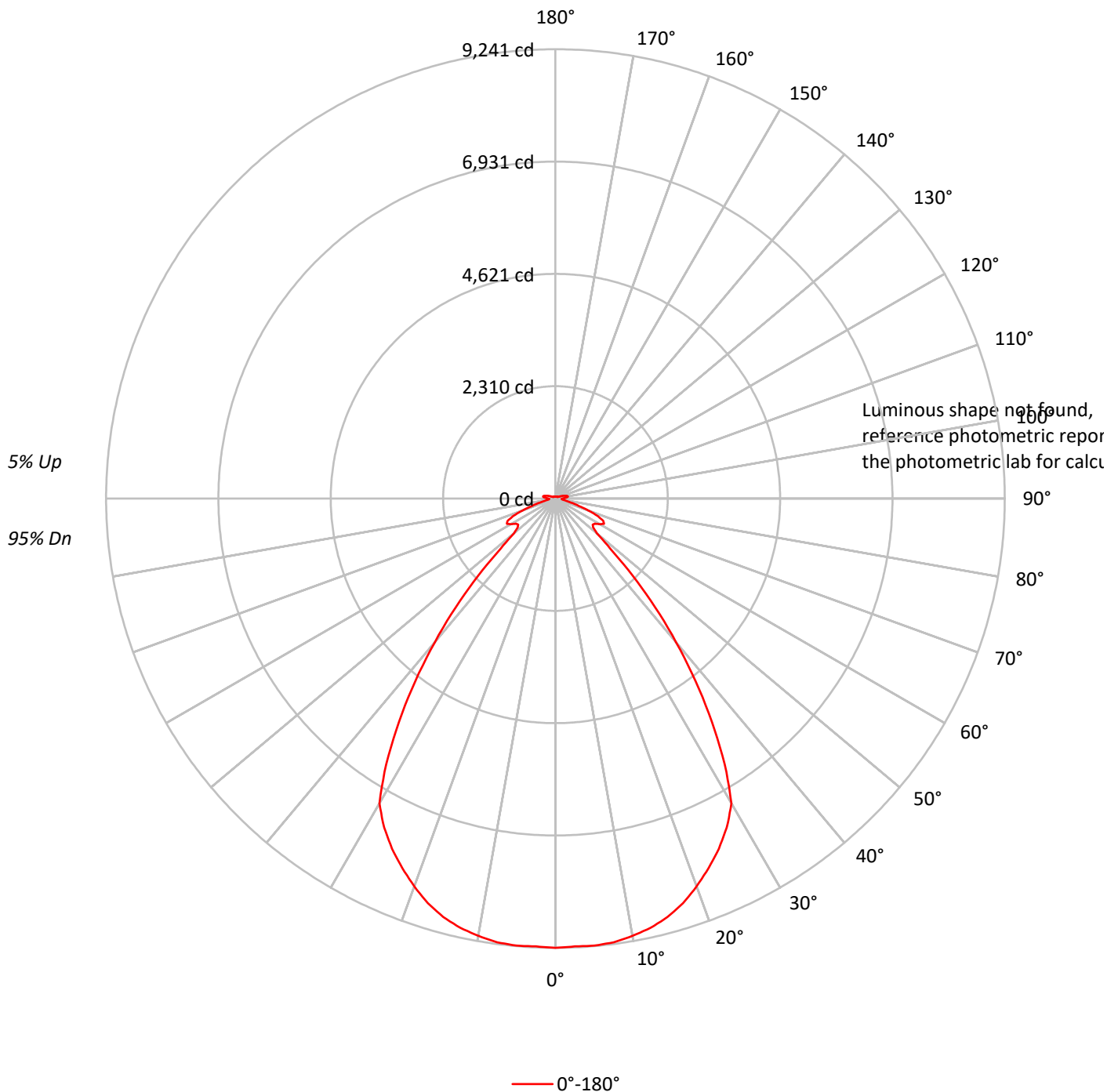
Lumens per Lamp: N/A
Luminaire Lumens: 15437.0 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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



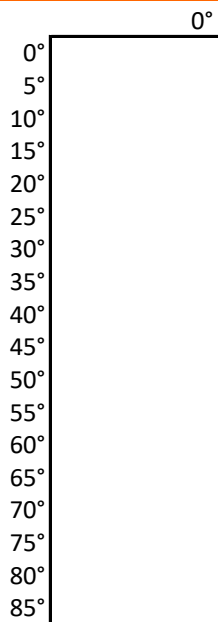
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	878.1	5.7
10°-20°	2506.1	16.2
20°-30°	3647.7	23.6
30°-40°	3471.2	22.5
40°-50°	1768.8	11.5
50°-60°	887.2	5.7
60°-70°	999.1	6.5
70°-80°	403.4	2.6
80°-90°	151.0	1.0
90°-100°	232.5	1.5
100°-110°	229.6	1.5
110°-120°	109.4	0.7
120°-130°	49.7	0.3
130°-140°	38.0	0.2
140°-150°	29.7	0.2
150°-160°	20.4	0.1
160°-170°	11.9	0.1
170°-180°	3.3	0.0
0°-30°	7031.9	45.6
0°-40°	10503.1	68.0
0°-60°	13159.0	85.2
0°-90°	14712.5	95.3
90°-120°	571.5	3.7
90°-150°	688.9	4.5
90°-180°	724.0	4.7
0°-180°	15437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9241	
5°	9229	878
15°	8911	2506
25°	7948	3648
35°	5608	3471
45°	2241	1769
55°	934	887
65°	1085	999
75°	342	403
85°	126	113
90°	148	83
95°	219	188
105°	221	230
115°	106	109
125°	53	50
135°	50	38
145°	48	30
155°	44	20
165°	42	12
175°	34	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9241.1
2.5°	9219.8
5°	9228.9
7.5°	9205.7
10°	9133.8
12.5°	9043.7
15°	8911.0
17.5°	8727.8
20°	8488.9
22.5°	8225.7
25°	7948.3
27.5°	7629.4
30°	7237.6
32.5°	6479.3
35°	5607.6
37.5°	4733.9
40°	3859.2
42.5°	3036.2
45°	2241.4
47.5°	1526.7
50°	1115.7
52.5°	978.0
55°	934.4
57.5°	961.8
60°	1050.9
62.5°	1127.8
65°	1085.3
67.5°	934.4
70°	723.9
72.5°	508.2
75°	342.2
77.5°	235.9
80°	170.1
82.5°	137.7
85°	126.5
87.5°	130.6
90°	147.8
92.5°	180.2
95°	218.7
97.5°	250.1
100°	260.2
102.5°	247.0
105°	220.7
107.5°	189.3
110°	158.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	131.6
115°	106.3
117.5°	86.1
120°	69.9
122.5°	59.7
125°	52.6
127.5°	49.6
130°	47.6
132.5°	48.6
135°	49.6
137.5°	49.6
140°	49.6
142.5°	48.6
145°	47.6
147.5°	45.6
150°	44.5
152.5°	44.5
155°	43.5
157.5°	43.5
160°	44.5
162.5°	43.5
165°	42.5
167.5°	39.5
170°	36.4
172.5°	34.4
175°	34.4
177.5°	34.4
180°	35.4

(END OF REPORT)