

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: P1504299

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504299
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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-04-CLER-PS (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

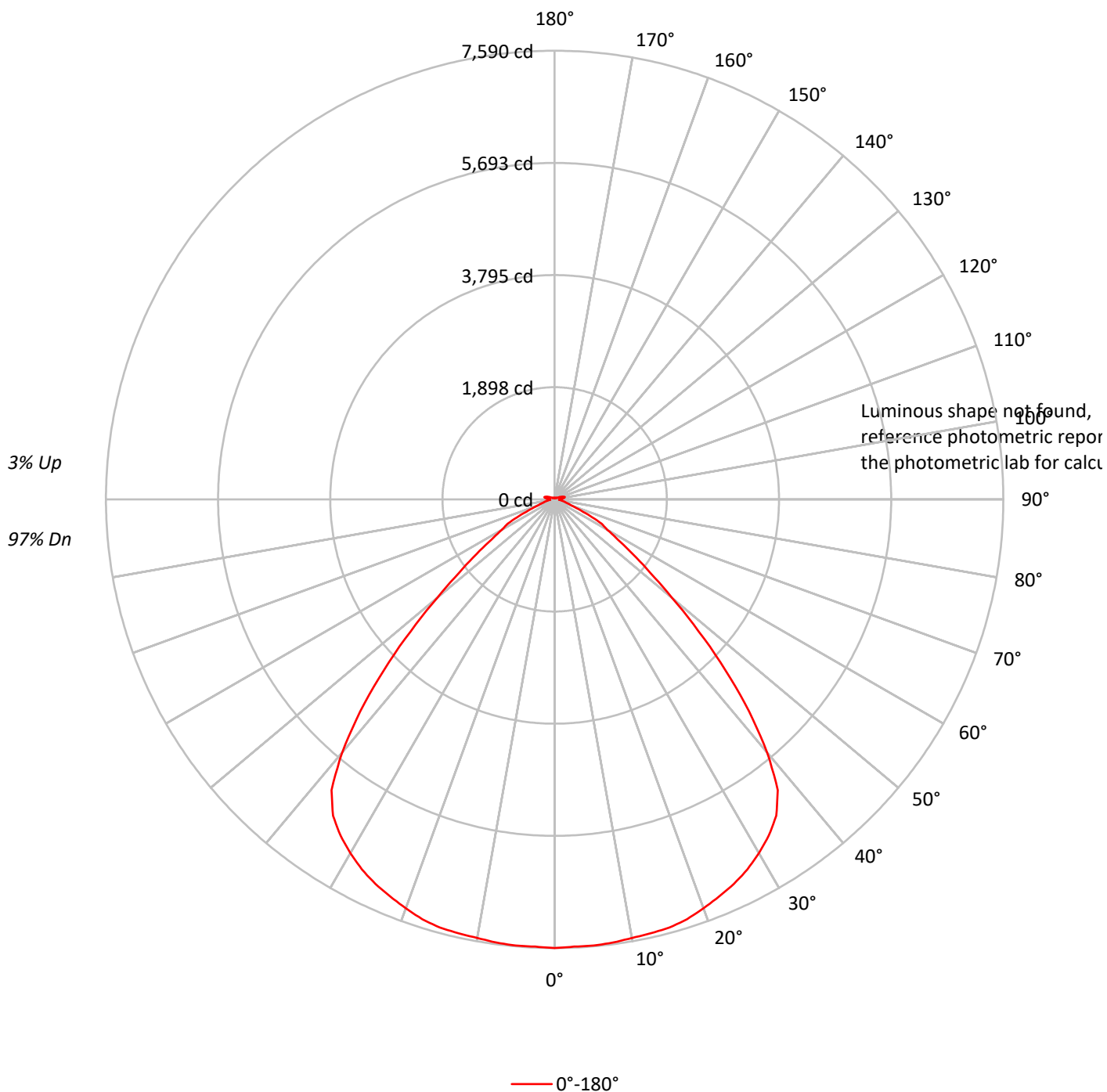
Lumens per Lamp: N/A
Luminaire Lumens: 16269.1 lumens
Efficiency: N/A
Efficacy: 158.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97	
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86	
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76	
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67	
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60	
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53	
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48	
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39	
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35	
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	32	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.8	4.4
10°-20°	2117.5	13.0
20°-30°	3308.4	20.3
30°-40°	4025.8	24.7
40°-50°	3133.8	19.3
50°-60°	1492.3	9.2
60°-70°	655.1	4.0
70°-80°	210.9	1.3
80°-90°	97.7	0.6
90°-100°	135.5	0.8
100°-110°	170.3	1.0
110°-120°	91.2	0.6
120°-130°	37.3	0.2
130°-140°	25.2	0.2
140°-150°	21.5	0.1
150°-160°	15.4	0.1
160°-170°	7.5	0.0
170°-180°	1.8	0.0
0°-30°	6147.7	37.8
0°-40°	10173.5	62.5
0°-60°	14799.7	91.0
0°-90°	15763.4	96.9
90°-120°	396.9	2.4
90°-150°	481.0	3.0
90°-180°	506.0	3.1
0°-180°	16269.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7590	
5°	7577	722
15°	7500	2118
25°	7177	3308
35°	6533	4026
45°	4087	3134
55°	1607	1492
65°	662	655
75°	193	211
85°	82	76
90°	79	45
95°	124	111
105°	167	170
115°	90	91
125°	40	37
135°	32	25
145°	34	22
155°	33	15
165°	26	8
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7589.9
2.5°	7573.7
5°	7576.7
7.5°	7561.5
10°	7533.2
12.5°	7519.0
15°	7499.8
17.5°	7447.1
20°	7361.1
22.5°	7271.0
25°	7176.8
27.5°	7058.4
30°	6910.6
32.5°	6742.5
35°	6532.9
37.5°	6199.9
40°	5596.5
42.5°	4869.6
45°	4087.0
47.5°	3303.4
50°	2589.7
52.5°	2033.9
55°	1606.7
57.5°	1261.4
60°	1032.6
62.5°	895.0
65°	662.1
67.5°	436.3
70°	301.7
72.5°	232.8
75°	193.4
77.5°	160.0
80°	125.5
82.5°	98.2
85°	82.0
87.5°	75.9
90°	79.0
92.5°	97.2
95°	123.5
97.5°	151.9
100°	170.1
102.5°	175.1
105°	167.0
107.5°	150.8
110°	130.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.3
115°	90.1
117.5°	71.9
120°	57.7
122.5°	46.6
125°	39.5
127.5°	34.4
130°	32.4
132.5°	31.4
135°	32.4
137.5°	33.4
140°	33.4
142.5°	34.4
145°	34.4
147.5°	34.4
150°	34.4
152.5°	34.4
155°	33.4
157.5°	32.4
160°	30.4
162.5°	28.3
165°	26.3
167.5°	24.3
170°	21.3
172.5°	19.2
175°	17.2
177.5°	16.2
180°	16.2

(END OF REPORT)