

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: P1504325

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504325
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-TRWH-PS (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

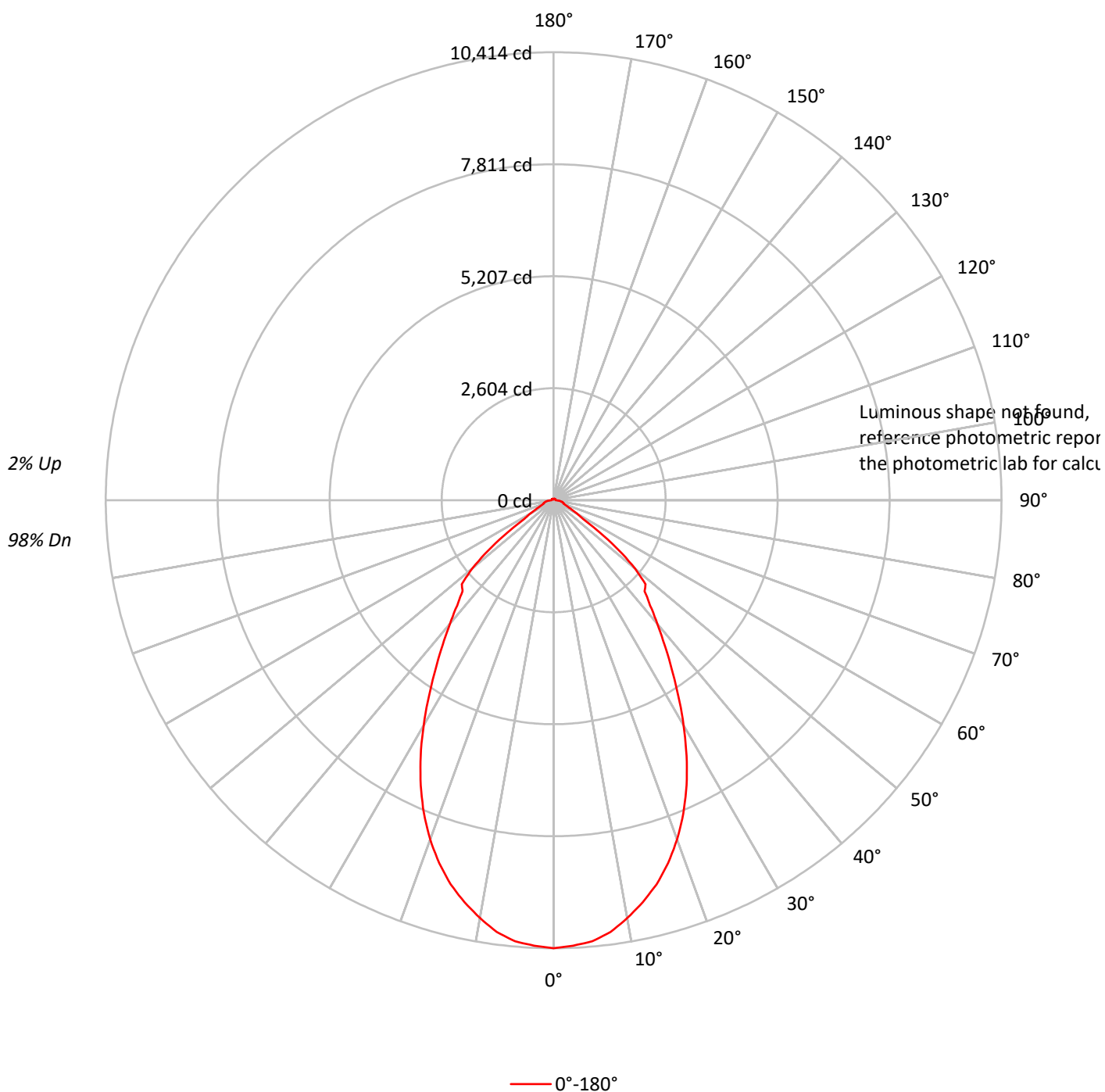
Lumens per Lamp: N/A
Luminaire Lumens: 14532.8 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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





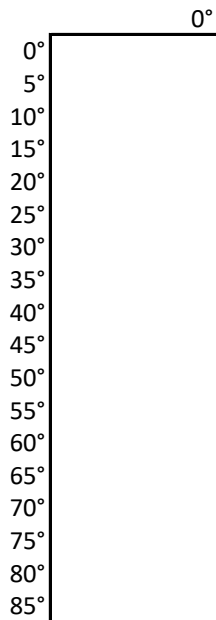
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	104	102	108	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	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	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°	968.6	6.7
10°-20°	2586.0	17.8
20°-30°	3336.1	23.0
30°-40°	3003.9	20.7
40°-50°	2373.5	16.3
50°-60°	1237.5	8.5
60°-70°	399.2	2.7
70°-80°	237.5	1.6
80°-90°	130.7	0.9
90°-100°	48.6	0.3
100°-110°	47.7	0.3
110°-120°	44.1	0.3
120°-130°	38.1	0.3
130°-140°	31.2	0.2
140°-150°	24.5	0.2
150°-160°	16.1	0.1
160°-170°	7.6	0.1
170°-180°	1.9	0.0
0°-30°	6890.7	47.4
0°-40°	9894.7	68.1
0°-60°	13505.7	92.9
0°-90°	14273.1	98.2
90°-120°	140.3	1.0
90°-150°	234.1	1.6
90°-180°	260.0	1.8
0°-180°	14532.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10414	
5°	10291	969
15°	9243	2586
25°	7312	3336
35°	4780	3004
45°	2993	2373
55°	1312	1238
65°	376	399
75°	226	238
85°	122	113
90°	45	30
95°	45	36
105°	46	48
115°	45	44
125°	43	38
135°	40	31
145°	39	25
155°	35	16
165°	26	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10414.0
2.5°	10364.2
5°	10291.0
7.5°	10124.2
10°	9860.7
12.5°	9570.9
15°	9243.4
17.5°	8848.7
20°	8391.0
22.5°	7882.5
25°	7311.9
27.5°	6694.5
30°	6042.6
32.5°	5396.7
35°	4780.4
37.5°	4233.2
40°	3751.1
42.5°	3320.8
45°	2993.3
47.5°	2895.7
50°	2468.5
52.5°	1926.4
55°	1312.1
57.5°	804.5
60°	633.7
62.5°	491.3
65°	376.3
67.5°	303.1
70°	261.4
72.5°	238.0
75°	225.8
77.5°	210.5
80°	188.2
82.5°	158.7
85°	122.1
87.5°	82.4
90°	44.8
92.5°	43.7
95°	44.8
97.5°	44.8
100°	44.8
102.5°	44.8
105°	45.8
107.5°	44.8
110°	44.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	44.8
115°	44.8
117.5°	43.7
120°	43.7
122.5°	42.7
125°	42.7
127.5°	41.7
130°	41.7
132.5°	40.7
135°	39.7
137.5°	39.7
140°	39.7
142.5°	39.7
145°	38.6
147.5°	38.6
150°	38.6
152.5°	37.6
155°	34.6
157.5°	31.5
160°	30.5
162.5°	28.5
165°	26.4
167.5°	24.4
170°	22.4
172.5°	20.3
175°	19.3
177.5°	18.3
180°	18.3

(END OF REPORT)