

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: P1504293

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504293
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

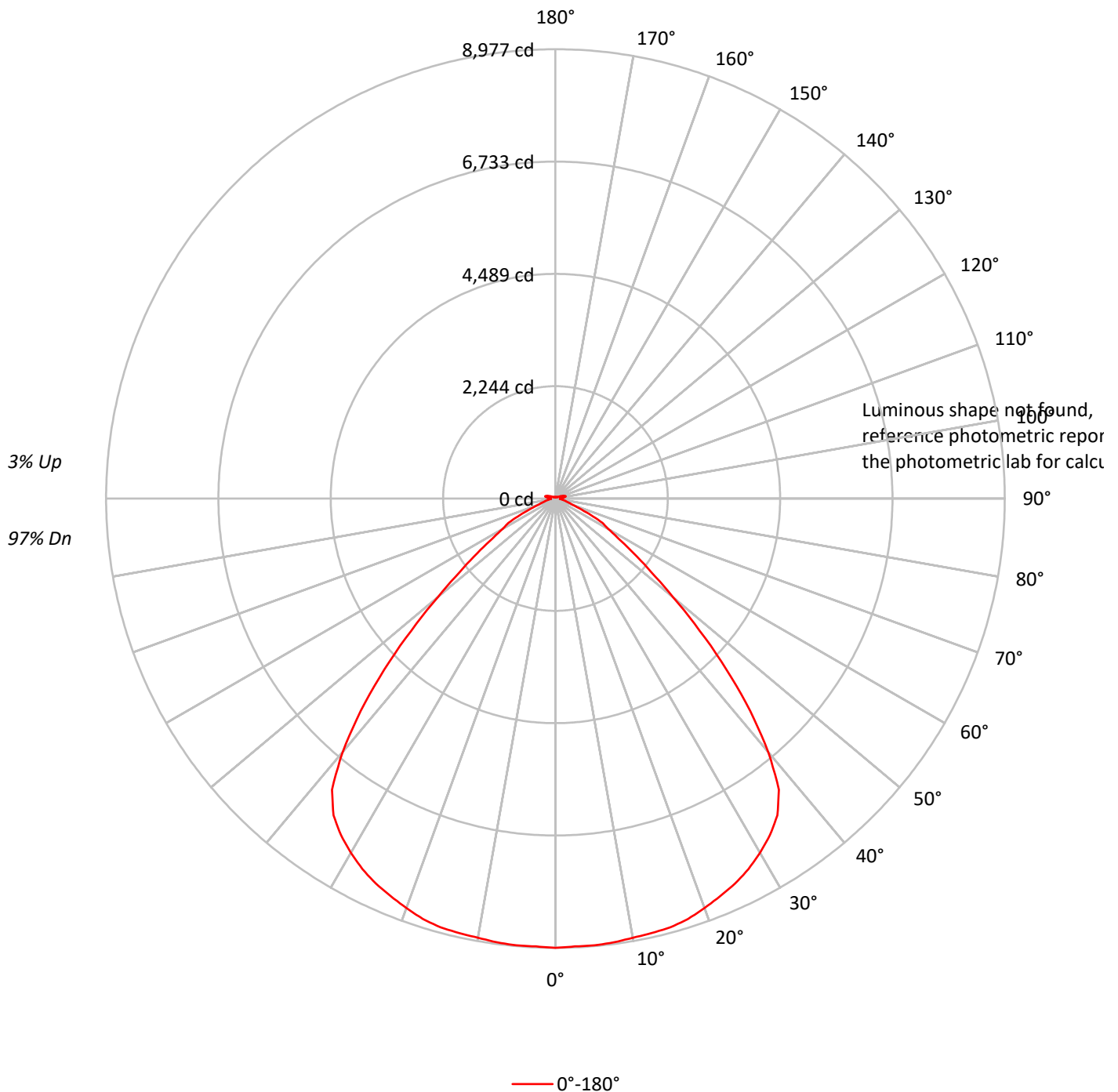
Lumens per Lamp: N/A
Luminaire Lumens: 19242.6 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.1
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					0
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°	853.7	4.4
10°-20°	2504.5	13.0
20°-30°	3913.0	20.3
30°-40°	4761.6	24.7
40°-50°	3706.6	19.3
50°-60°	1765.1	9.2
60°-70°	774.9	4.0
70°-80°	249.4	1.3
80°-90°	115.5	0.6
90°-100°	160.2	0.8
100°-110°	201.5	1.0
110°-120°	107.8	0.6
120°-130°	44.2	0.2
130°-140°	29.7	0.2
140°-150°	25.5	0.1
150°-160°	18.2	0.1
160°-170°	8.9	0.0
170°-180°	2.1	0.0
0°-30°	7271.3	37.8
0°-40°	12032.8	62.5
0°-60°	17504.6	91.0
0°-90°	18644.4	96.9
90°-120°	469.5	2.4
90°-150°	568.9	3.0
90°-180°	598.0	3.1
0°-180°	19242.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8977	
5°	8962	854
15°	8870	2505
25°	8488	3913
35°	7727	4762
45°	4834	3707
55°	1900	1765
65°	783	775
75°	229	249
85°	97	90
90°	93	54
95°	146	132
105°	198	201
115°	107	108
125°	47	44
135°	38	30
145°	41	25
155°	40	18
165°	31	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8977.0
2.5°	8957.9
5°	8961.5
7.5°	8943.5
10°	8910.0
12.5°	8893.2
15°	8870.5
17.5°	8808.2
20°	8706.4
22.5°	8599.9
25°	8488.5
27.5°	8348.4
30°	8173.6
32.5°	7974.8
35°	7726.9
37.5°	7333.0
40°	6619.3
42.5°	5759.6
45°	4834.0
47.5°	3907.2
50°	3063.0
52.5°	2405.6
55°	1900.3
57.5°	1492.0
60°	1221.4
62.5°	1058.5
65°	783.1
67.5°	516.1
70°	356.8
72.5°	275.4
75°	228.7
77.5°	189.2
80°	148.5
82.5°	116.1
85°	97.0
87.5°	89.8
90°	93.4
92.5°	115.0
95°	146.1
97.5°	179.6
100°	201.2
102.5°	207.2
105°	197.6
107.5°	178.4
110°	154.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.3
115°	106.6
117.5°	85.0
120°	68.3
122.5°	55.1
125°	46.7
127.5°	40.7
130°	38.3
132.5°	37.1
135°	38.3
137.5°	39.5
140°	39.5
142.5°	40.7
145°	40.7
147.5°	40.7
150°	40.7
152.5°	40.7
155°	39.5
157.5°	38.3
160°	35.9
162.5°	33.5
165°	31.1
167.5°	28.7
170°	25.1
172.5°	22.8
175°	20.4
177.5°	19.2
180°	19.2

(END OF REPORT)