

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: P1504284

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504284
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

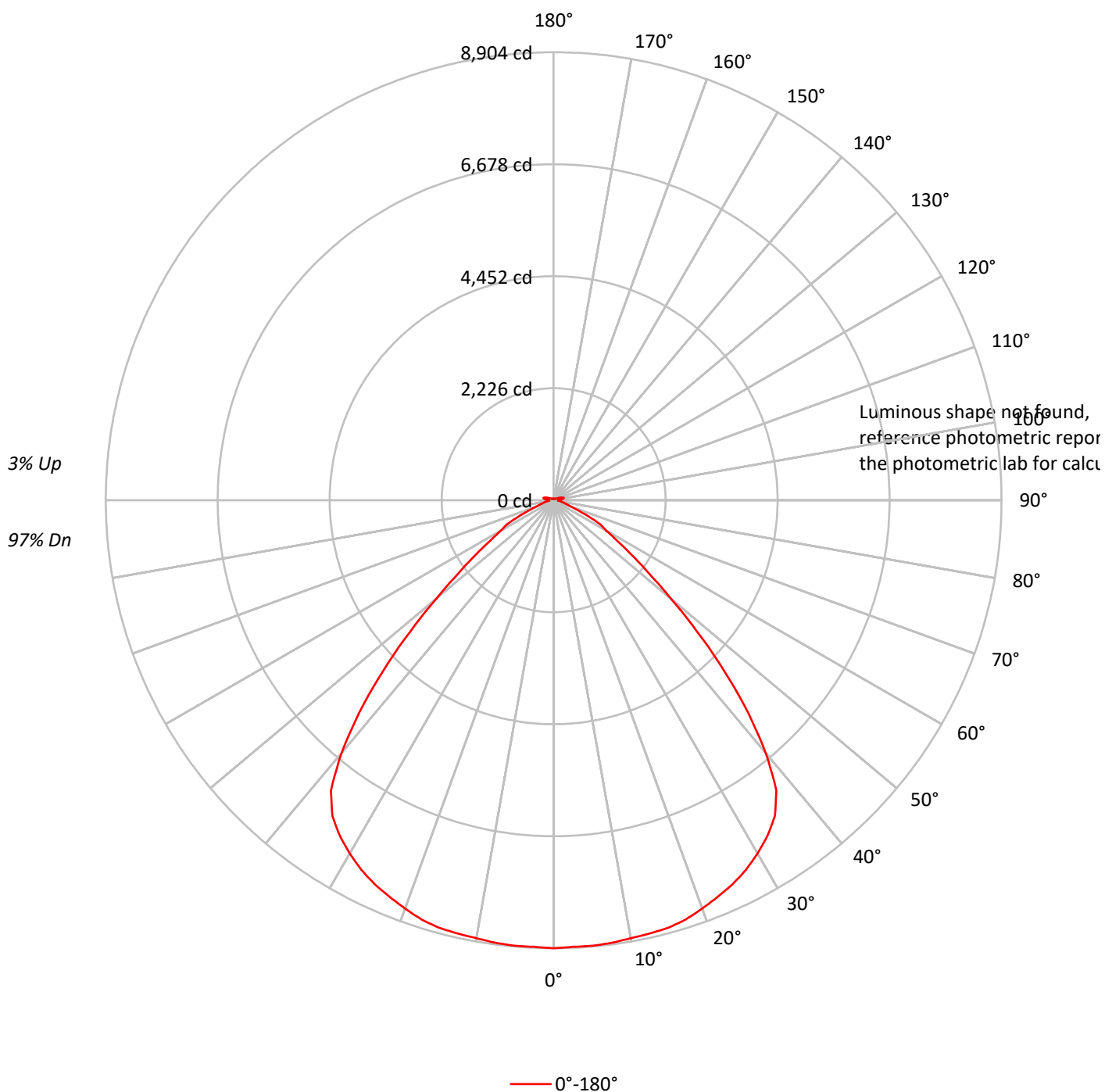
Lumens per Lamp: N/A
Luminaire Lumens: 19085.9 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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





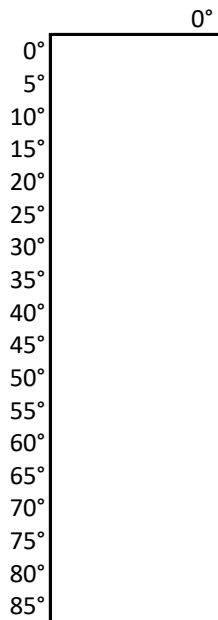
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	846.8	4.4
10°-20°	2484.1	13.0
20°-30°	3881.2	20.3
30°-40°	4722.8	24.7
40°-50°	3676.4	19.3
50°-60°	1750.7	9.2
60°-70°	768.6	4.0
70°-80°	247.4	1.3
80°-90°	114.6	0.6
90°-100°	158.9	0.8
100°-110°	199.8	1.0
110°-120°	106.9	0.6
120°-130°	43.8	0.2
130°-140°	29.5	0.2
140°-150°	25.3	0.1
150°-160°	18.1	0.1
160°-170°	8.9	0.0
170°-180°	2.1	0.0
0°-30°	7212.1	37.8
0°-40°	11934.9	62.5
0°-60°	17362.0	91.0
0°-90°	18492.6	96.9
90°-120°	465.7	2.4
90°-150°	564.3	3.0
90°-180°	593.0	3.1
0°-180°	19085.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8904	
5°	8888	847
15°	8798	2484
25°	8419	3881
35°	7664	4723
45°	4795	3676
55°	1885	1751
65°	777	769
75°	227	247
85°	96	90
90°	93	53
95°	145	131
105°	196	200
115°	106	107
125°	46	44
135°	38	30
145°	40	25
155°	39	18
165°	31	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8904.0
2.5°	8885.0
5°	8888.5
7.5°	8870.7
10°	8837.5
12.5°	8820.8
15°	8798.3
17.5°	8736.5
20°	8635.6
22.5°	8529.9
25°	8419.4
27.5°	8280.4
30°	8107.0
32.5°	7909.9
35°	7664.0
37.5°	7273.3
40°	6565.4
42.5°	5712.7
45°	4794.6
47.5°	3875.4
50°	3038.1
52.5°	2386.0
55°	1884.8
57.5°	1479.8
60°	1211.4
62.5°	1049.9
65°	776.7
67.5°	511.9
70°	353.9
72.5°	273.2
75°	226.8
77.5°	187.7
80°	147.3
82.5°	115.2
85°	96.2
87.5°	89.1
90°	92.6
92.5°	114.0
95°	144.9
97.5°	178.2
100°	199.5
102.5°	205.5
105°	196.0
107.5°	177.0
110°	153.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.3
115°	105.7
117.5°	84.3
120°	67.7
122.5°	54.6
125°	46.3
127.5°	40.4
130°	38.0
132.5°	36.8
135°	38.0
137.5°	39.2
140°	39.2
142.5°	40.4
145°	40.4
147.5°	40.4
150°	40.4
152.5°	40.4
155°	39.2
157.5°	38.0
160°	35.6
162.5°	33.3
165°	30.9
167.5°	28.5
170°	24.9
172.5°	22.6
175°	20.2
177.5°	19.0
180°	19.0

(END OF REPORT)