

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: P1504464

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504464
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-45)
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-06-CLER-PS (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

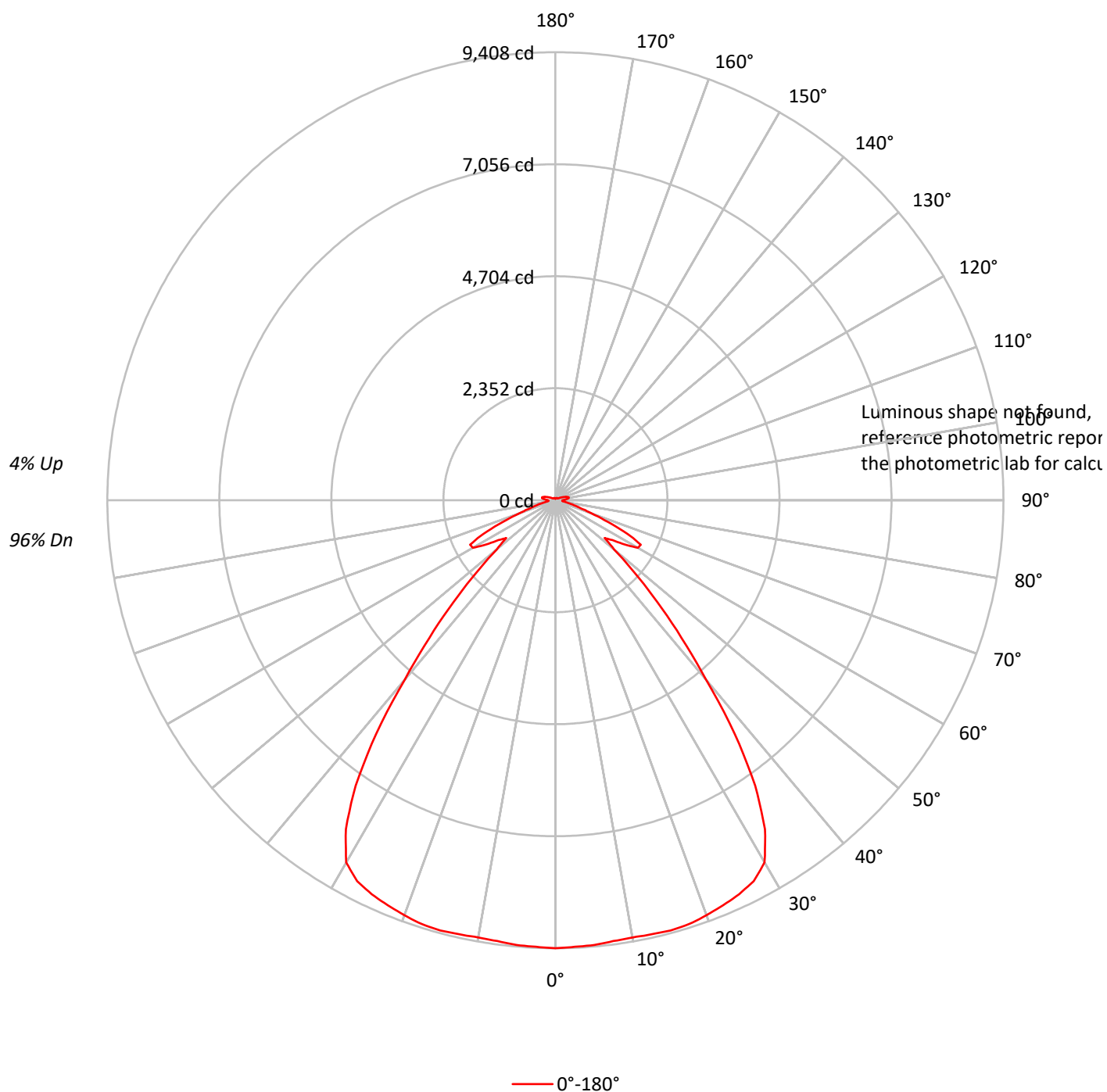
Lumens per Lamp: N/A
Luminaire Lumens: 19005.2 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.3 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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





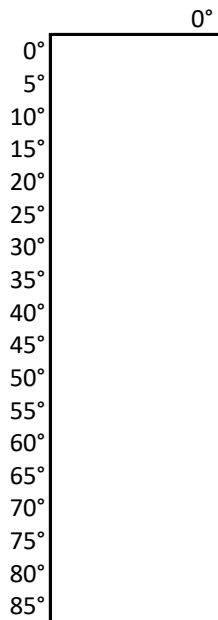
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	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	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	76	74			
3	94	86	79	73	92	84	77	72	80	75	71	77	73	69	74	70	67	67	67	67	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	82	70	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	54	54	54	54	52			
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	49	49	49	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	44	44	44	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	40	40	40	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	41	37	46	41	37	37	37	37	37	35			
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	892.6	4.7
10°-20°	2644.3	13.9
20°-30°	4203.4	22.1
30°-40°	4434.6	23.3
40°-50°	2376.4	12.5
50°-60°	1416.3	7.5
60°-70°	1552.1	8.2
70°-80°	461.7	2.4
80°-90°	172.9	0.9
90°-100°	244.1	1.3
100°-110°	273.1	1.4
110°-120°	142.7	0.8
120°-130°	65.1	0.3
130°-140°	46.9	0.2
140°-150°	36.4	0.2
150°-160°	25.3	0.1
160°-170°	13.6	0.1
170°-180°	3.5	0.0
0°-30°	7740.4	40.7
0°-40°	12175.0	64.1
0°-60°	15967.7	84.0
0°-90°	18154.4	95.5
90°-120°	660.0	3.5
90°-150°	808.5	4.3
90°-180°	851.0	4.5
0°-180°	19005.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9408	
5°	9374	893
15°	9353	2644
25°	9127	4203
35°	7316	4435
45°	3017	2376
55°	1457	1416
65°	1673	1552
75°	403	462
85°	144	132
90°	158	89
95°	224	197
105°	265	273
115°	140	143
125°	69	65
135°	61	47
145°	57	36
155°	55	25
165°	48	14
175°	34	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9407.5
2.5°	9387.4
5°	9374.3
7.5°	9336.3
10°	9322.0
12.5°	9336.3
15°	9352.9
17.5°	9332.7
20°	9274.5
22.5°	9204.5
25°	9127.3
27.5°	9016.8
30°	8782.8
32.5°	8189.0
35°	7316.1
37.5°	6183.0
40°	4925.3
42.5°	3915.8
45°	3016.7
47.5°	2255.4
50°	1609.3
52.5°	1301.7
55°	1457.3
57.5°	1729.3
60°	2000.0
62.5°	2020.2
65°	1673.4
67.5°	1194.8
70°	801.7
72.5°	555.8
75°	402.6
77.5°	289.8
80°	210.2
82.5°	162.7
85°	143.7
87.5°	143.7
90°	158.0
92.5°	186.5
95°	224.5
97.5°	262.5
100°	286.2
102.5°	285.0
105°	264.9
107.5°	236.3
110°	204.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	171.0
115°	140.1
117.5°	112.8
120°	92.6
122.5°	79.6
125°	68.9
127.5°	64.1
130°	60.6
132.5°	60.6
135°	60.6
137.5°	60.6
140°	60.6
142.5°	59.4
145°	57.0
147.5°	57.0
150°	55.8
152.5°	55.8
155°	54.6
157.5°	53.4
160°	52.3
162.5°	51.1
165°	47.5
167.5°	43.9
170°	40.4
172.5°	36.8
175°	34.4
177.5°	33.3
180°	32.1

(END OF REPORT)