

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: P1504803

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504803
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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-B-06-CLER-PS (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

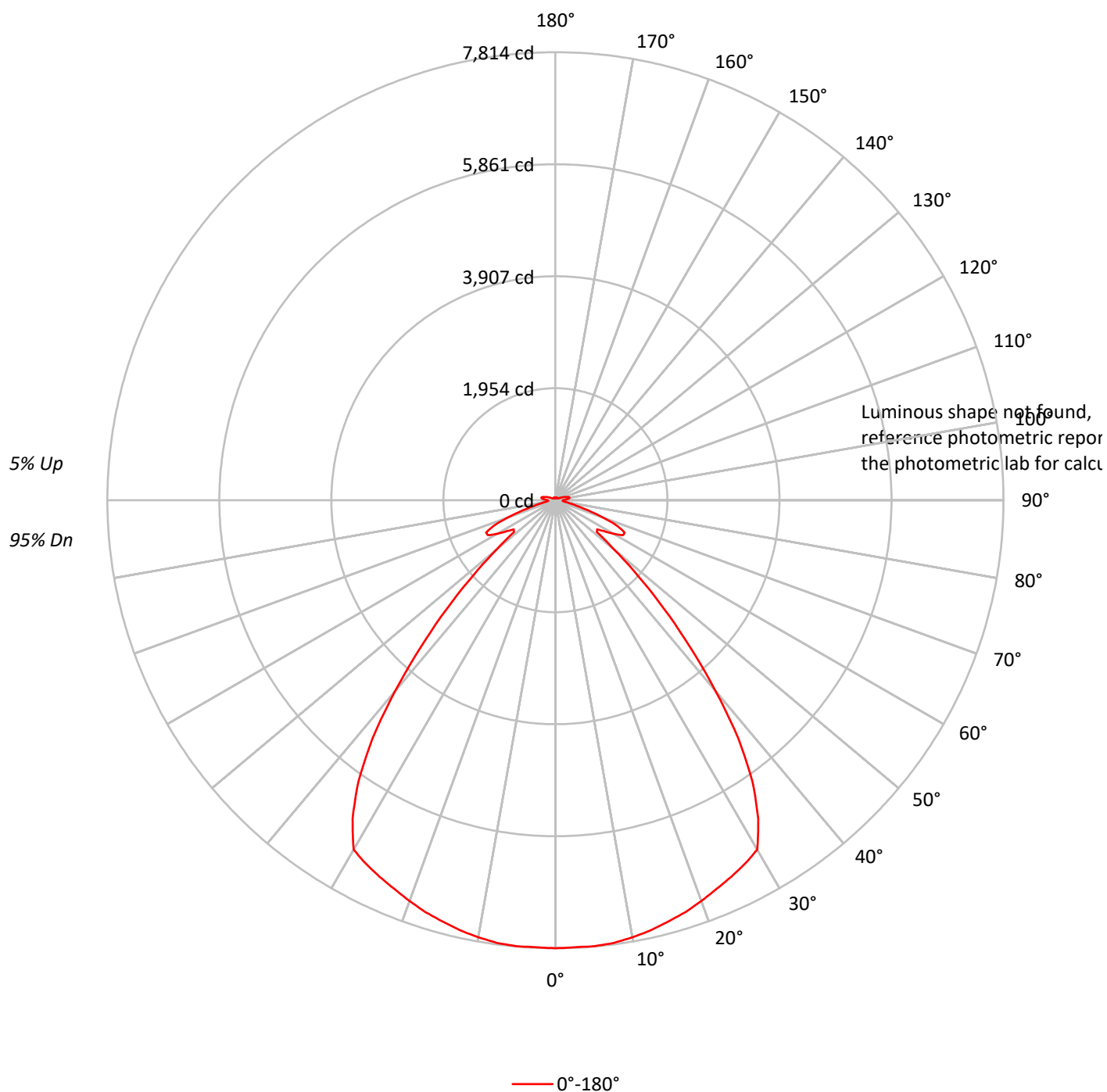
Lumens per Lamp: N/A
Luminaire Lumens: 15453.8 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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



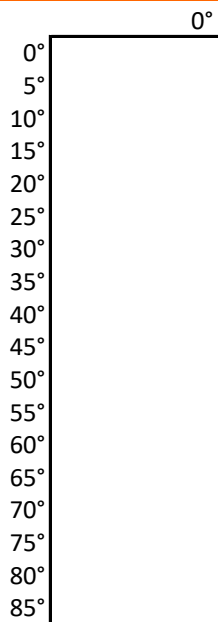
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86	84
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76	74
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67	65
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34	33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.1	4.8
10°-20°	2150.8	13.9
20°-30°	3347.7	21.7
30°-40°	3659.2	23.7
40°-50°	2086.9	13.5
50°-60°	907.0	5.9
60°-70°	1205.8	7.8
70°-80°	481.7	3.1
80°-90°	150.9	1.0
90°-100°	217.6	1.4
100°-110°	227.5	1.5
110°-120°	112.2	0.7
120°-130°	52.5	0.3
130°-140°	41.2	0.3
140°-150°	32.2	0.2
150°-160°	21.7	0.1
160°-170°	12.4	0.1
170°-180°	3.6	0.0
0°-30°	6241.6	40.4
0°-40°	9900.8	64.1
0°-60°	12894.7	83.4
0°-90°	14733.1	95.3
90°-120°	557.2	3.6
90°-150°	683.1	4.4
90°-180°	721.0	4.7
0°-180°	15453.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7814	
5°	7807	743
15°	7606	2151
25°	7248	3348
35°	5990	3659
45°	2684	2087
55°	886	907
65°	1334	1206
75°	405	482
85°	126	115
90°	137	77
95°	202	176
105°	219	227
115°	109	112
125°	56	53
135°	53	41
145°	51	32
155°	46	22
165°	44	12
175°	37	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7814.0
2.5°	7802.4
5°	7807.2
7.5°	7787.9
10°	7739.6
12.5°	7682.5
15°	7606.2
17.5°	7532.8
20°	7439.0
22.5°	7339.5
25°	7247.7
27.5°	7151.0
30°	7037.0
32.5°	6582.8
35°	5990.4
37.5°	5241.5
40°	4350.5
42.5°	3470.2
45°	2683.6
47.5°	1952.0
50°	1326.8
52.5°	911.3
55°	886.1
57.5°	1000.2
60°	1168.3
62.5°	1327.8
65°	1333.6
67.5°	1170.3
70°	900.6
72.5°	616.5
75°	404.9
77.5°	267.7
80°	184.6
82.5°	142.1
85°	125.6
87.5°	124.7
90°	137.2
92.5°	166.2
95°	202.0
97.5°	235.8
100°	251.3
102.5°	243.5
105°	219.4
107.5°	189.4
110°	161.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	134.3
115°	109.2
117.5°	88.9
120°	73.4
122.5°	62.8
125°	56.0
127.5°	52.2
130°	51.2
132.5°	52.2
135°	53.1
137.5°	55.1
140°	54.1
142.5°	53.1
145°	51.2
147.5°	49.3
150°	47.4
152.5°	47.4
155°	46.4
157.5°	46.4
160°	46.4
162.5°	45.4
165°	43.5
167.5°	41.6
170°	38.7
172.5°	36.7
175°	36.7
177.5°	37.7
180°	37.7

(END OF REPORT)