

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: P1504344

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504344
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

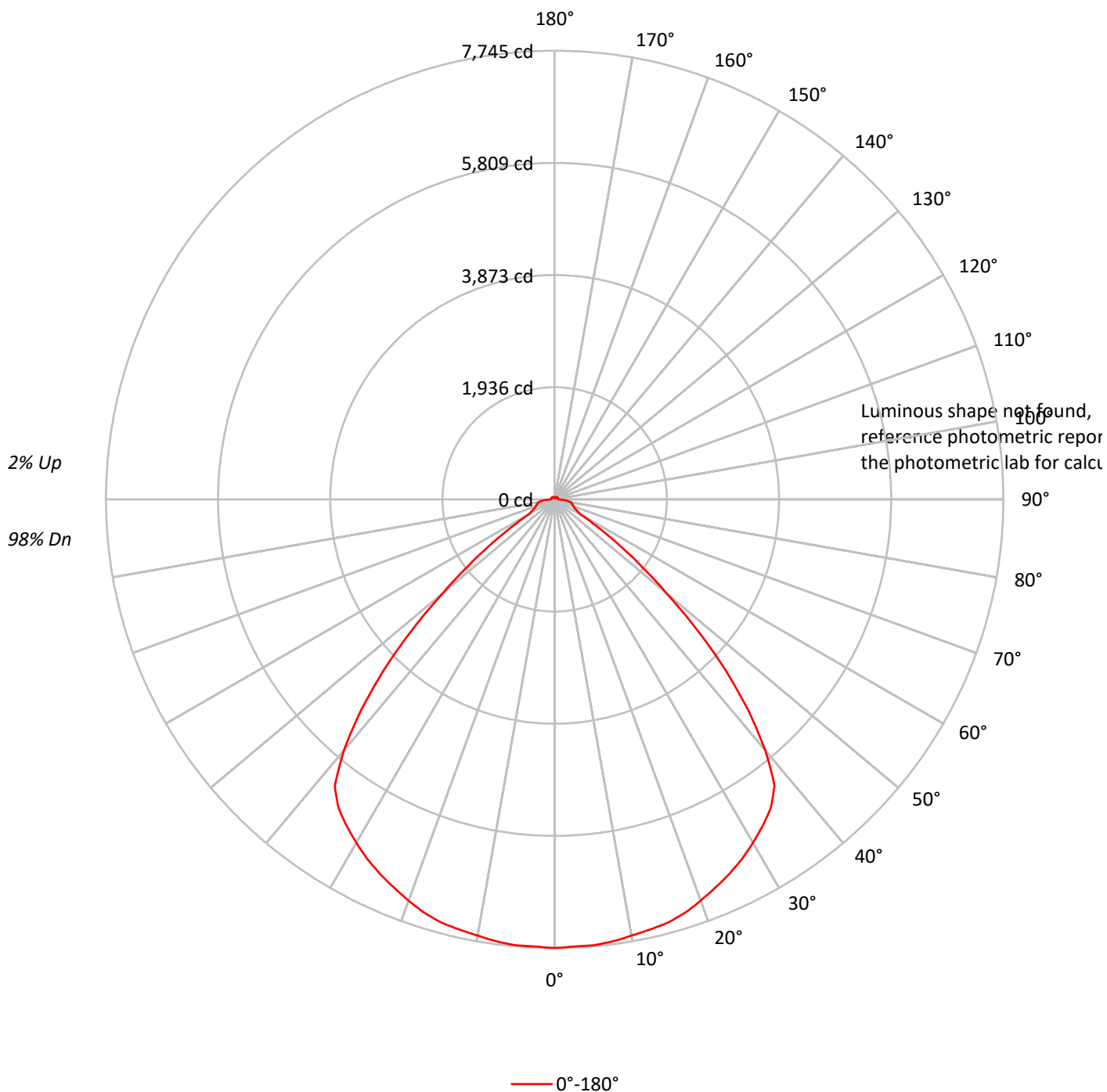
Lumens per Lamp: N/A
Luminaire Lumens: 15846.9 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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



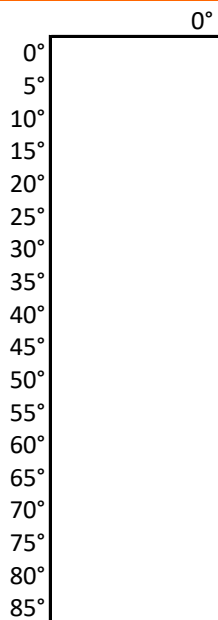
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89			87
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79			77
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50			49
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			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°	734.8	4.6
10°-20°	2133.7	13.5
20°-30°	3290.1	20.8
30°-40°	4018.9	25.4
40°-50°	3171.3	20.0
50°-60°	1220.8	7.7
60°-70°	405.2	2.6
70°-80°	330.0	2.1
80°-90°	195.5	1.2
90°-100°	66.0	0.4
100°-110°	64.8	0.4
110°-120°	59.3	0.4
120°-130°	51.2	0.3
130°-140°	41.7	0.3
140°-150°	32.1	0.2
150°-160°	20.4	0.1
160°-170°	9.0	0.1
170°-180°	2.1	0.0
0°-30°	6158.6	38.9
0°-40°	10177.5	64.2
0°-60°	14569.6	91.9
0°-90°	15500.3	97.8
90°-120°	190.0	1.2
90°-150°	315.0	2.0
90°-180°	347.0	2.2
0°-180°	15846.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7745	
5°	7726	735
15°	7564	2134
25°	7132	3290
35°	6504	4019
45°	4173	3171
55°	1307	1221
65°	400	405
75°	315	330
85°	188	170
90°	61	42
95°	61	49
105°	62	65
115°	60	59
125°	57	51
135°	54	42
145°	51	32
155°	44	20
165°	30	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7744.8
2.5°	7725.5
5°	7725.5
7.5°	7696.2
10°	7645.6
12.5°	7606.1
15°	7563.6
17.5°	7483.6
20°	7371.2
22.5°	7251.7
25°	7132.3
27.5°	7000.7
30°	6845.8
32.5°	6682.8
35°	6503.6
37.5°	6233.3
40°	5661.3
42.5°	4954.6
45°	4173.1
47.5°	3334.8
50°	2519.8
52.5°	1859.8
55°	1307.0
57.5°	836.2
60°	515.3
62.5°	446.5
65°	399.9
67.5°	361.4
70°	343.2
72.5°	327.0
75°	314.9
77.5°	298.7
80°	273.3
82.5°	237.9
85°	188.3
87.5°	124.5
90°	60.7
92.5°	59.7
95°	60.7
97.5°	60.7
100°	60.7
102.5°	61.8
105°	61.8
107.5°	60.7
110°	60.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.7
115°	59.7
117.5°	58.7
120°	58.7
122.5°	57.7
125°	56.7
127.5°	56.7
130°	55.7
132.5°	54.7
135°	53.7
137.5°	52.6
140°	52.6
142.5°	51.6
145°	50.6
147.5°	50.6
150°	49.6
152.5°	47.6
155°	43.5
157.5°	40.5
160°	37.5
162.5°	34.4
165°	30.4
167.5°	28.3
170°	25.3
172.5°	23.3
175°	20.2
177.5°	19.2
180°	19.2

(END OF REPORT)