

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: P1504676

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504676
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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-04-TRWH-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

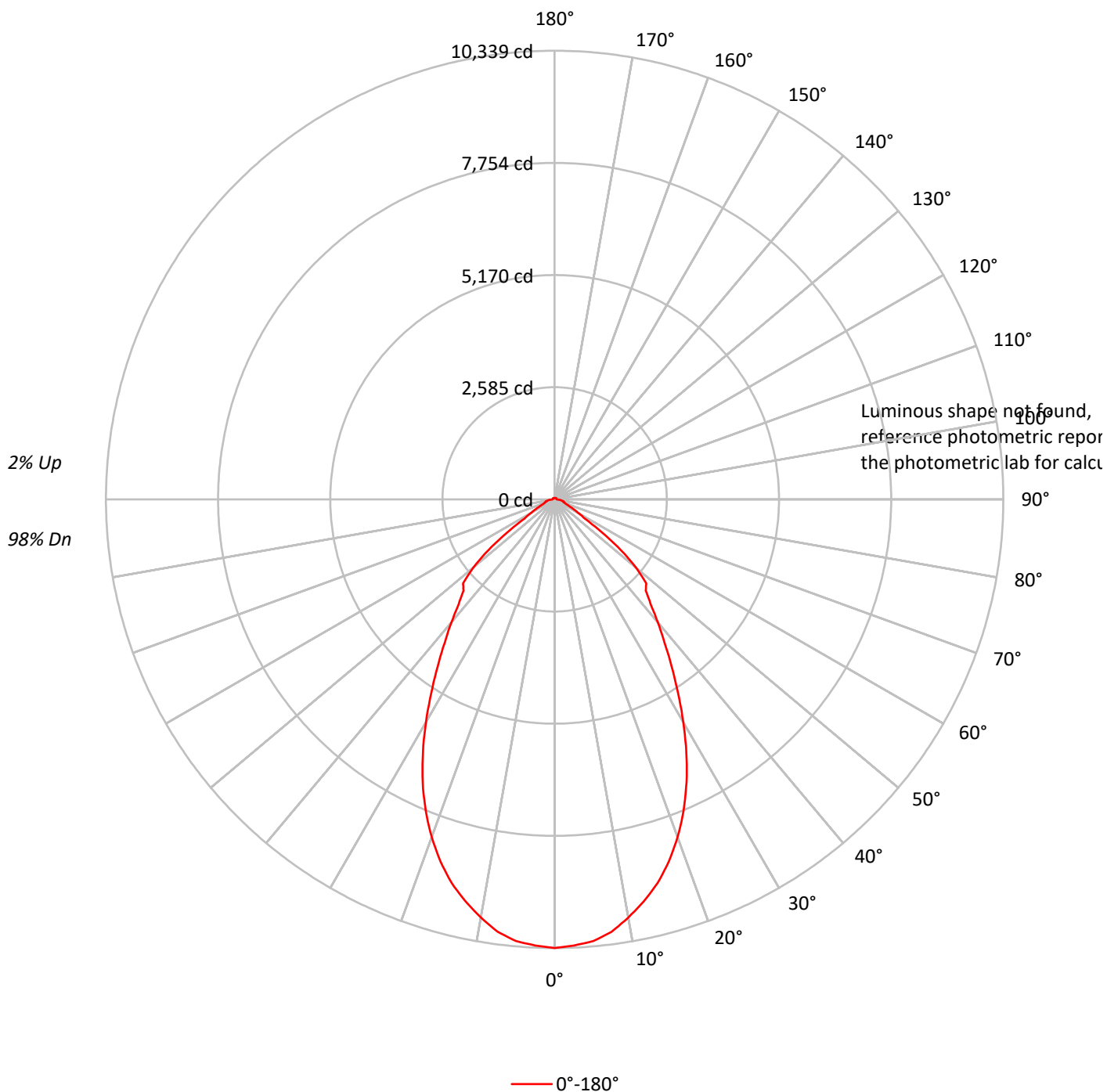
Lumens per Lamp: N/A
Luminaire Lumens: 14350.5 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.5
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





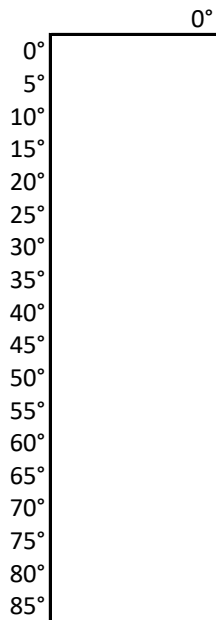
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.5	6.7
10°-20°	2560.2	17.8
20°-30°	3281.9	22.9
30°-40°	2949.7	20.6
40°-50°	2344.4	16.3
50°-60°	1249.0	8.7
60°-70°	397.6	2.8
70°-80°	225.3	1.6
80°-90°	117.5	0.8
90°-100°	46.8	0.3
100°-110°	46.7	0.3
110°-120°	44.1	0.3
120°-130°	38.9	0.3
130°-140°	32.4	0.2
140°-150°	25.5	0.2
150°-160°	17.4	0.1
160°-170°	9.1	0.1
170°-180°	2.6	0.0
0°-30°	6803.6	47.4
0°-40°	9753.3	68.0
0°-60°	13346.7	93.0
0°-90°	14087.1	98.2
90°-120°	137.5	1.0
90°-150°	234.3	1.6
90°-180°	263.0	1.8
0°-180°	14350.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10339	
5°	10217	962
15°	9155	2560
25°	7194	3282
35°	4695	2950
45°	2971	2344
55°	1349	1249
65°	376	398
75°	215	225
85°	108	101
90°	43	28
95°	43	35
105°	44	47
115°	44	44
125°	43	39
135°	42	32
145°	41	26
155°	37	17
165°	32	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10339
2.5°	10289
5°	10217
7.5°	10051
10°	9783
12.5°	9489
15°	9155
17.5°	8752
20°	8284
22.5°	7766
25°	7194
27.5°	6573
30°	5928
32.5°	5290
35°	4695
37.5°	4162
40°	3692
42.5°	3268
45°	2971
47.5°	2859
50°	2447
52.5°	1935
55°	1349
57.5°	820
60°	634
62.5°	493
65°	376
67.5°	299
70°	254
72.5°	228
75°	215
77.5°	197
80°	172
82.5°	142
85°	108
87.5°	74
90°	43
92.5°	42
95°	43
97.5°	43
100°	44
102.5°	44
105°	44
107.5°	44
110°	45

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45
115°	44
117.5°	44
120°	44
122.5°	44
125°	43
127.5°	43
130°	43
132.5°	42
135°	42
137.5°	41
140°	41
142.5°	41
145°	41
147.5°	40
150°	40
152.5°	39
155°	37
157.5°	36
160°	35
162.5°	33
165°	32
167.5°	30
170°	29
172.5°	27
175°	26
177.5°	26
180°	26

(END OF REPORT)