

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221315

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221315
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

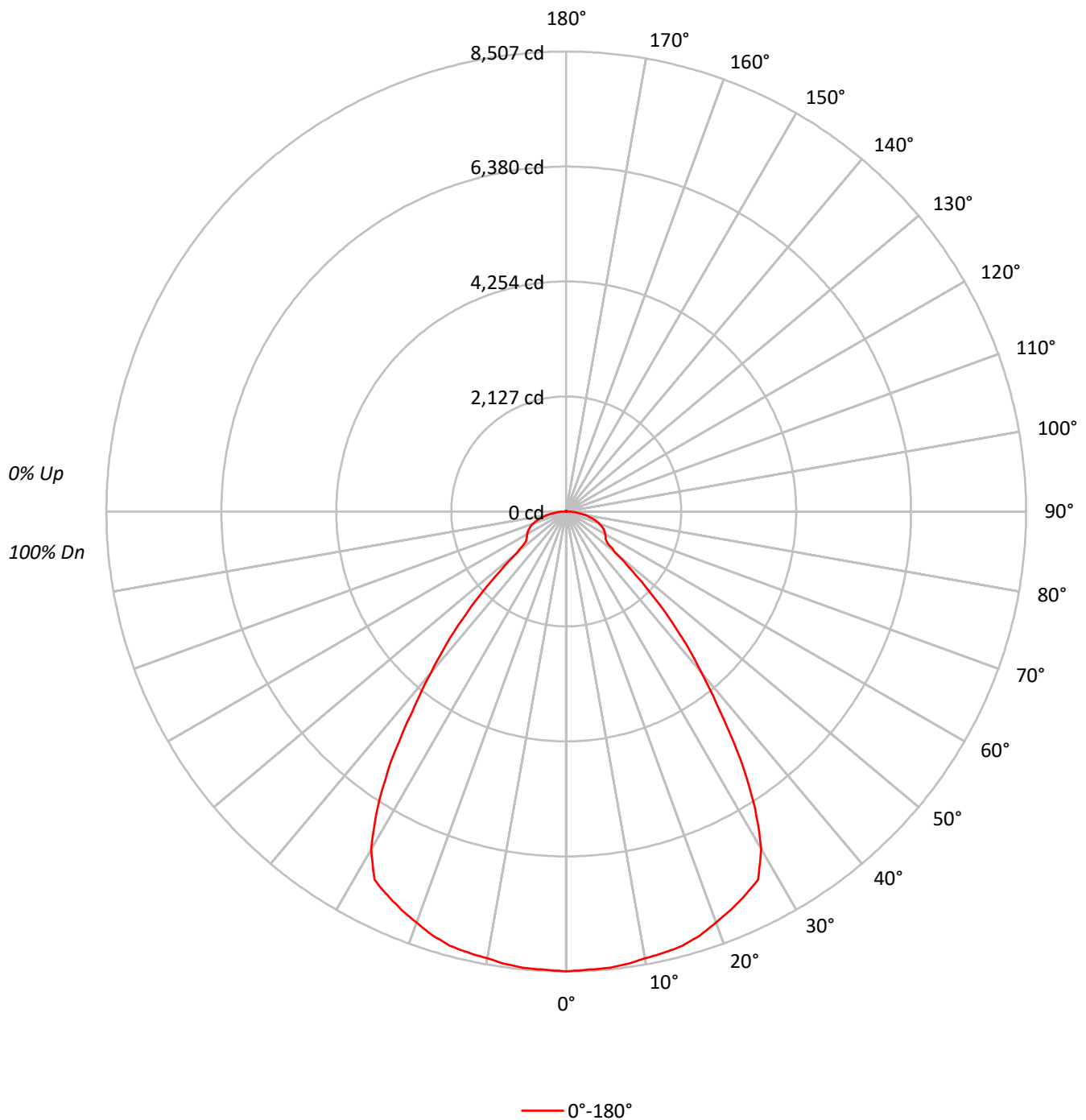
Lumens per Lamp: N/A
Luminaire Lumens: 14412.5 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 100.4
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	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63		
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58	57		
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49	47		
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46506
5°	44467
10°	42577
15°	41149
20°	39415
25°	37799
30°	34780
35°	27416
40°	19192
45°	12371
50°	6155
55°	4815
60°	4717
65°	4555
70°	4188
75°	3505
80°	2525
85°	1329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12371 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	806.8	5.6
10°-20°	2344.5	16.3
20°-30°	3593.1	24.9
30°-40°	3475.1	24.1
40°-50°	1895.3	13.2
50°-60°	833.2	5.8
60°-70°	744.3	5.2
70°-80°	521.1	3.6
80°-90°	169.0	1.2
90°-100°	2.2	0.0
100°-110°	2.1	0.0
110°-120°	2.6	0.0
120°-130°	3.3	0.0
130°-140°	4.7	0.0
140°-150°	6.4	0.0
150°-160°	5.0	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	6744.4	46.8
0°-40°	10219.5	70.9
0°-60°	12947.9	89.8
0°-90°	14382.3	99.8
90°-120°	6.9	0.0
90°-150°	21.3	0.1
90°-180°	30.0	0.2
0°-180°	14412.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8507	
5°	8483	807
15°	8315	2344
25°	7833	3593
35°	5650	3475
45°	2458	1895
55°	892	833
65°	757	744
75°	498	521
85°	151	159
90°	2	10
95°	2	2
105°	2	2
115°	3	3
125°	4	3
135°	6	5
145°	10	6
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8507
2.5°	8487
5°	8483
7.5°	8449
10°	8395
12.5°	8360
15°	8315
17.5°	8221
20°	8097
22.5°	7971
25°	7833
27.5°	7680
30°	7215
32.5°	6499
35°	5650
37.5°	4689
40°	3899
42.5°	3186
45°	2458
47.5°	1754
50°	1186
52.5°	962
55°	892
57.5°	863
60°	832
62.5°	800
65°	757
67.5°	707
70°	648
72.5°	579
75°	498
77.5°	412
80°	324
82.5°	237
85°	151
87.5°	70
90°	2
92.5°	2
95°	2
97.5°	2
100°	2
102.5°	2
105°	2
107.5°	2
110°	2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2
115°	3
117.5°	3
120°	3
122.5°	3
125°	4
127.5°	4
130°	5
132.5°	5
135°	6
137.5°	7
140°	8
142.5°	9
145°	10
147.5°	12
150°	12
152.5°	12
155°	10
157.5°	10
160°	10
162.5°	10
165°	10
167.5°	10
170°	11
172.5°	11
175°	11
177.5°	11
180°	11

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.11	15.41	14.48	15.72	16.04	14.11	15.41	14.48	15.72	16.04
	3H	16.28	17.44	16.66	17.77	18.14	16.28	17.44	16.66	17.77	18.14
	4H	17.05	18.14	17.46	18.49	18.88	17.05	18.14	17.46	18.49	18.88
	6H	17.56	18.55	17.97	18.93	19.33	17.56	18.55	17.97	18.93	19.33
	8H	17.69	18.63	18.12	19.03	19.44	17.69	18.63	18.12	19.03	19.44
	12H	17.75	18.65	18.18	19.04	19.47	17.75	18.65	18.18	19.04	19.47
4H	2H	14.75	15.83	15.16	16.19	16.58	14.75	15.83	15.16	16.19	16.58
	3H	17.08	17.98	17.50	18.39	18.79	17.08	17.98	17.50	18.39	18.79
	4H	17.95	18.76	18.39	19.18	19.63	17.95	18.76	18.39	19.18	19.63
	6H	18.55	19.25	19.02	19.70	20.17	18.55	19.25	19.02	19.70	20.17
	8H	18.71	19.37	19.19	19.82	20.29	18.71	19.37	19.19	19.82	20.29
	12H	18.80	19.38	19.29	19.86	20.34	18.80	19.38	19.29	19.86	20.34
8H	4H	18.20	18.85	18.67	19.30	19.78	18.20	18.85	18.67	19.30	19.78
	6H	18.89	19.43	19.40	19.93	20.41	18.89	19.43	19.40	19.93	20.41
	8H	19.11	19.59	19.63	20.10	20.60	19.11	19.59	19.63	20.10	20.60
	12H	19.25	19.67	19.76	20.16	20.74	19.25	19.67	19.76	20.16	20.74
12H	4H	18.20	18.78	18.69	19.27	19.75	18.20	18.78	18.69	19.27	19.75
	6H	18.91	19.39	19.44	19.91	20.41	18.91	19.39	19.44	19.91	20.41
	8H	19.17	19.59	19.69	20.09	20.67	19.17	19.59	19.69	20.09	20.67