

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: P1221277

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221277
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

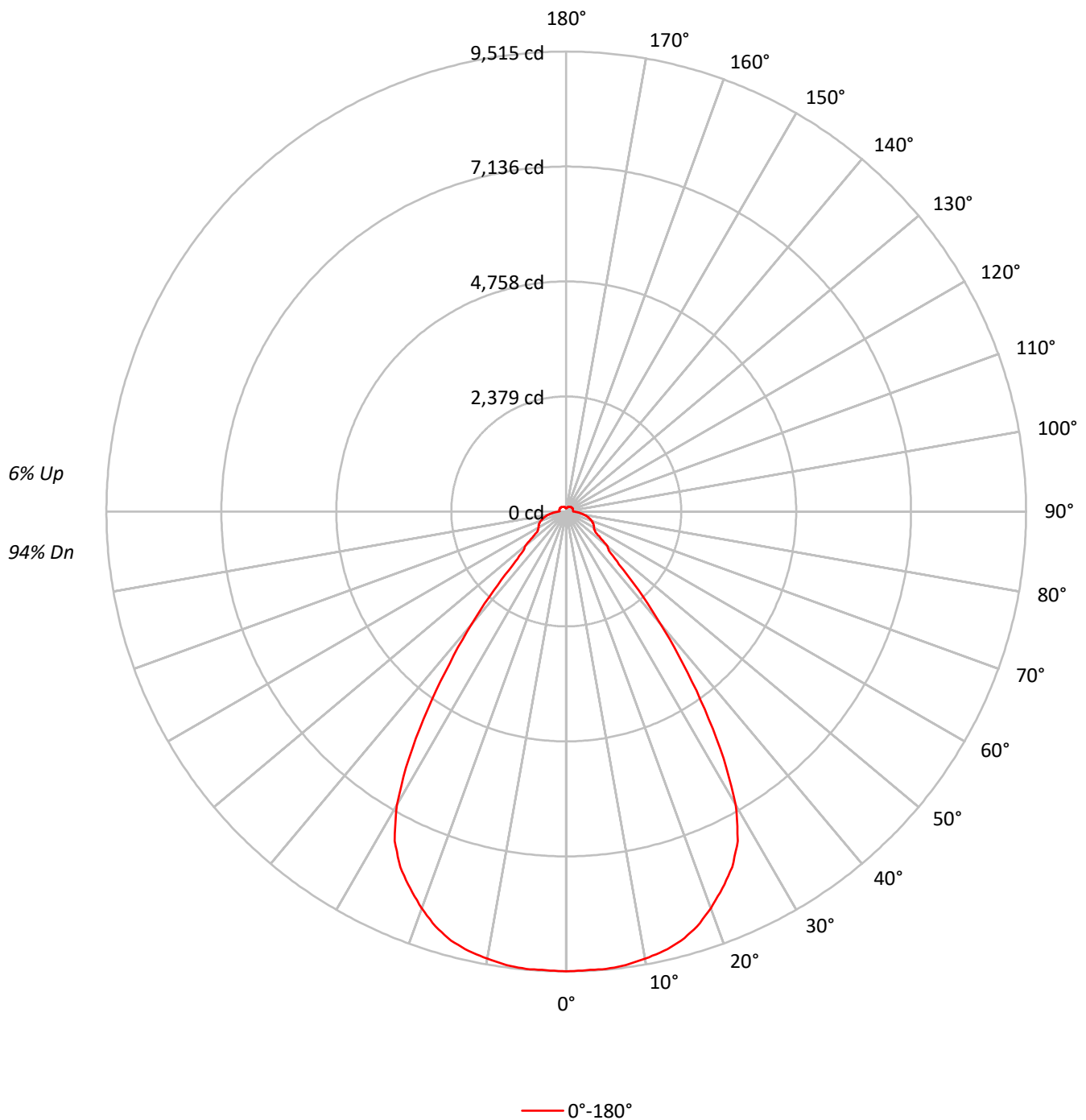
Lumens per Lamp: N/A
Luminaire Lumens: 14546.2 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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	114	114	114	114	108	108	108	102	102	102	97	97	97	94		
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83		
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77	74		
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69	67		
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52	51		
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48	46		
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45	43		
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52016
5°	49800
10°	47650
15°	45509
20°	42532
25°	39180
30°	33810
35°	24242
40°	14966
45°	7785
50°	5758
55°	3965
60°	3759
65°	3732
70°	3586
75°	3315
80°	2866
85°	2203

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7785 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.5	6.2
10°-20°	2582.9	17.8
20°-30°	3695.2	25.4
30°-40°	3098.9	21.3
40°-50°	1340.1	9.2
50°-60°	710.5	4.9
60°-70°	610.6	4.2
70°-80°	493.6	3.4
80°-90°	275.3	1.9
90°-100°	156.6	1.1
100°-110°	154.4	1.1
110°-120°	143.9	1.0
120°-130°	124.7	0.9
130°-140°	100.8	0.7
140°-150°	74.6	0.5
150°-160°	48.8	0.3
160°-170°	24.8	0.2
170°-180°	6.8	0.0
0°-30°	7181.7	49.4
0°-40°	10280.6	70.7
0°-60°	12331.2	84.8
0°-90°	13710.8	94.3
90°-120°	455.0	3.1
90°-150°	755.1	5.2
90°-180°	835.0	5.7
0°-180°	14546.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9515	
5°	9500	904
15°	9196	2583
25°	8119	3695
35°	4996	3099
45°	1547	1340
55°	735	711
65°	620	611
75°	471	494
85°	250	229
90°	151	87
95°	142	117
105°	146	154
115°	145	144
125°	139	125
135°	130	101
145°	118	75
155°	105	49
165°	87	25
175°	70	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9514.8
2.5°	9499.5
5°	9500.5
7.5°	9466.8
10°	9395.2
12.5°	9314.5
15°	9196.0
17.5°	9001.9
20°	8737.3
22.5°	8441.0
25°	8119.2
27.5°	7689.1
30°	7013.7
32.5°	6060.5
35°	4995.9
37.5°	3965.1
40°	3040.5
42.5°	2215.0
45°	1546.8
47.5°	1193.3
50°	1109.5
52.5°	876.6
55°	734.6
57.5°	686.6
60°	663.1
62.5°	643.6
65°	620.2
67.5°	590.5
70°	554.8
72.5°	514.9
75°	471.0
77.5°	421.9
80°	367.8
82.5°	311.6
85°	250.3
87.5°	189.0
90°	151.2
92.5°	140.0
95°	142.0
97.5°	144.1
100°	145.1
102.5°	146.1
105°	146.1
107.5°	146.1
110°	146.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.1
115°	145.1
117.5°	144.1
120°	143.0
122.5°	141.0
125°	138.9
127.5°	136.9
130°	134.9
132.5°	132.8
135°	129.8
137.5°	127.7
140°	124.6
142.5°	121.6
145°	118.5
147.5°	115.4
150°	112.4
152.5°	109.3
155°	105.2
157.5°	101.1
160°	96.0
162.5°	91.9
165°	86.8
167.5°	80.7
170°	75.6
172.5°	70.5
175°	70.5
177.5°	70.5
180°	70.5

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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	12.31	13.47	12.78	13.90	14.36	12.31	13.47	12.78	13.90	14.36
	3H	14.67	15.71	15.15	16.16	16.66	14.67	15.71	15.15	16.16	16.66
	4H	15.64	16.61	16.14	17.08	17.60	15.64	16.61	16.14	17.08	17.60
	6H	16.43	17.33	16.95	17.81	18.35	16.43	17.33	16.95	17.81	18.35
	8H	16.73	17.58	17.26	18.08	18.63	16.73	17.58	17.26	18.08	18.63
	12H	16.96	17.77	17.49	18.26	18.83	16.96	17.77	17.49	18.26	18.83
4H	2H	12.97	13.95	13.48	14.41	14.94	12.97	13.95	13.48	14.41	14.94
	3H	15.51	16.32	16.02	16.83	17.38	15.51	16.32	16.02	16.83	17.38
	4H	16.60	17.34	17.14	17.86	18.44	16.60	17.34	17.14	17.86	18.44
	6H	17.53	18.16	18.09	18.72	19.31	17.53	18.16	18.09	18.72	19.31
	8H	17.88	18.48	18.45	19.03	19.63	17.88	18.48	18.45	19.03	19.63
	12H	18.17	18.69	18.75	19.28	19.88	18.17	18.69	18.75	19.28	19.88
8H	4H	16.94	17.53	17.50	18.08	18.69	16.94	17.53	17.50	18.08	18.69
	6H	18.01	18.49	18.60	19.09	19.70	18.01	18.49	18.60	19.09	19.70
	8H	18.46	18.89	19.07	19.50	20.13	18.46	18.89	19.07	19.50	20.13
	12H	18.85	19.23	19.46	19.83	20.52	18.85	19.23	19.46	19.83	20.52
12H	4H	16.97	17.50	17.55	18.08	18.69	16.97	17.50	17.55	18.08	18.69
	6H	18.08	18.52	18.69	19.13	19.75	18.08	18.52	18.69	19.13	19.75
	8H	18.59	18.98	19.20	19.57	20.27	18.59	18.98	19.20	19.57	20.27

END OF REPORT