

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: P1221286

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221286
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

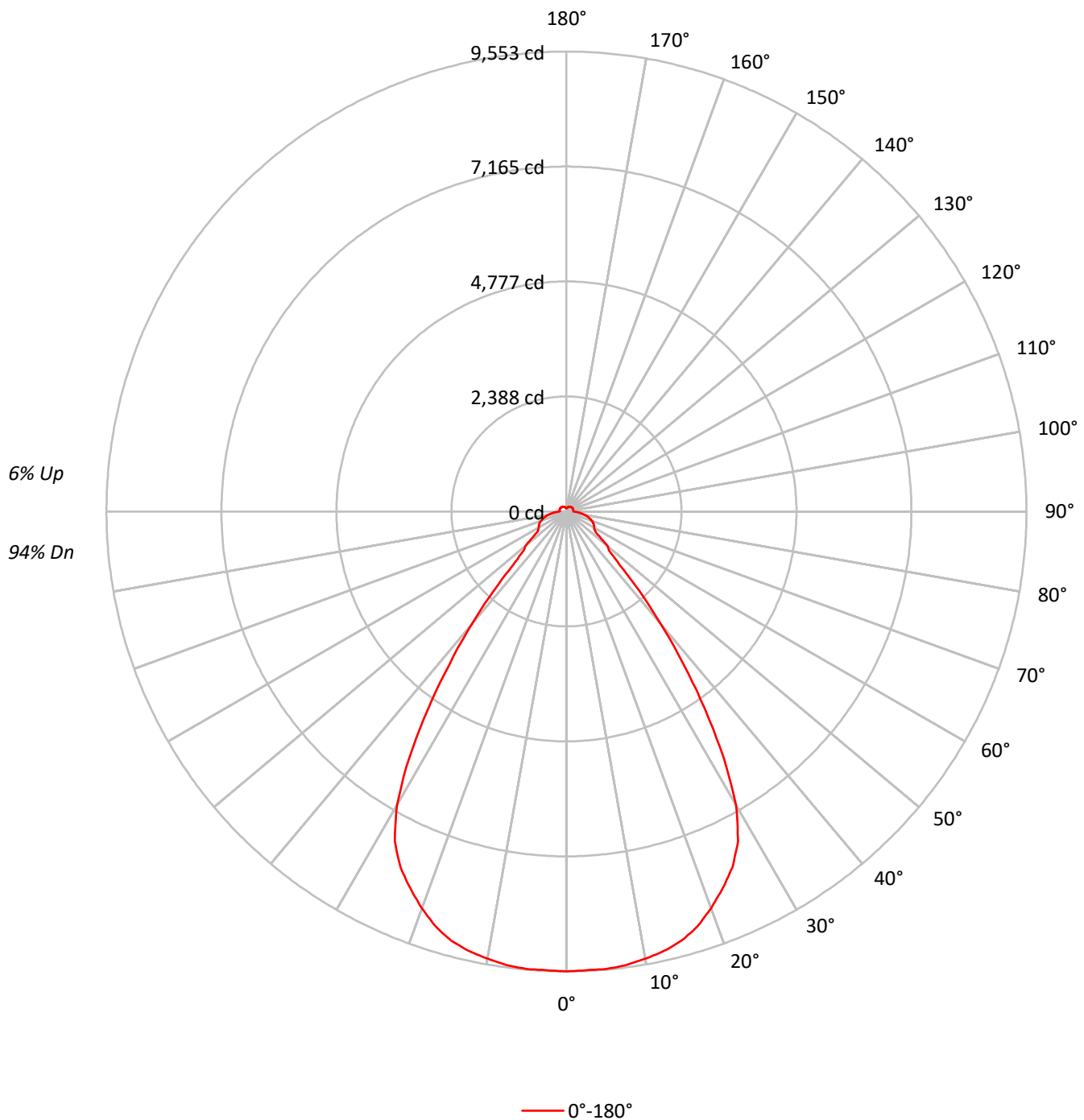
Lumens per Lamp: N/A
Luminaire Lumens: 14604.7 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 99.2
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°	52225
5°	50000
10°	47842
15°	45692
20°	42703
25°	39338
30°	33946
35°	24339
40°	15026
45°	7816
50°	5781
55°	3981
60°	3774
65°	3746
70°	3600
75°	3329
80°	2878
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Luminance: 7816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.1	6.2
10°-20°	2593.3	17.8
20°-30°	3710.1	25.4
30°-40°	3111.4	21.3
40°-50°	1345.5	9.2
50°-60°	713.4	4.9
60°-70°	613.0	4.2
70°-80°	495.6	3.4
80°-90°	276.4	1.9
90°-100°	157.2	1.1
100°-110°	155.1	1.1
110°-120°	144.5	1.0
120°-130°	125.2	0.9
130°-140°	101.2	0.7
140°-150°	74.9	0.5
150°-160°	49.0	0.3
160°-170°	24.9	0.2
170°-180°	6.9	0.0
0°-30°	7210.5	49.4
0°-40°	10321.9	70.7
0°-60°	12380.8	84.8
0°-90°	13765.8	94.3
90°-120°	456.8	3.1
90°-150°	758.1	5.2
90°-180°	839.0	5.7
0°-180°	14604.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9553	
5°	9539	907
15°	9233	2593
25°	8152	3710
35°	5016	3111
45°	1553	1346
55°	738	713
65°	623	613
75°	473	496
85°	251	230
90°	152	87
95°	143	117
105°	147	155
115°	146	144
125°	140	125
135°	130	101
145°	119	75
155°	106	49
165°	87	25
175°	71	7
180°	71	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9553.0
2.5°	9537.6
5°	9538.6
7.5°	9504.8
10°	9433.0
12.5°	9351.9
15°	9233.0
17.5°	9038.1
20°	8772.4
22.5°	8474.9
25°	8151.8
27.5°	7719.9
30°	7041.9
32.5°	6084.9
35°	5016.0
37.5°	3981.0
40°	3052.7
42.5°	2223.9
45°	1553.0
47.5°	1198.1
50°	1114.0
52.5°	880.1
55°	737.5
57.5°	689.3
60°	665.7
62.5°	646.2
65°	622.6
67.5°	592.9
70°	557.0
72.5°	517.0
75°	472.9
77.5°	423.6
80°	369.3
82.5°	312.9
85°	251.3
87.5°	189.8
90°	151.8
92.5°	140.5
95°	142.6
97.5°	144.6
100°	145.7
102.5°	146.7
105°	146.7
107.5°	146.7
110°	146.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.7
115°	145.7
117.5°	144.6
120°	143.6
122.5°	141.6
125°	139.5
127.5°	137.5
130°	135.4
132.5°	133.4
135°	130.3
137.5°	128.2
140°	125.1
142.5°	122.1
145°	119.0
147.5°	115.9
150°	112.8
152.5°	109.8
155°	105.7
157.5°	101.6
160°	96.4
162.5°	92.3
165°	87.2
167.5°	81.0
170°	75.9
172.5°	70.8
175°	70.8
177.5°	70.8
180°	70.8

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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	12.32	13.48	12.79	13.91	14.38	12.32	13.48	12.79	13.91	14.38
	3H	14.68	15.72	15.16	16.17	16.68	14.68	15.72	15.16	16.17	16.68
	4H	15.66	16.63	16.16	17.09	17.62	15.66	16.63	16.16	17.09	17.62
	6H	16.45	17.34	16.96	17.83	18.36	16.45	17.34	16.96	17.83	18.36
	8H	16.74	17.59	17.27	18.10	18.64	16.74	17.59	17.27	18.10	18.64
	12H	16.97	17.78	17.50	18.28	18.85	16.97	17.78	17.50	18.28	18.85
4H	2H	12.99	13.96	13.49	14.43	14.95	12.99	13.96	13.49	14.43	14.95
	3H	15.52	16.33	16.04	16.85	17.39	15.52	16.33	16.04	16.85	17.39
	4H	16.62	17.35	17.15	17.88	18.45	16.62	17.35	17.15	17.88	18.45
	6H	17.54	18.18	18.10	18.73	19.33	17.54	18.18	18.10	18.73	19.33
	8H	17.90	18.49	18.46	19.04	19.64	17.90	18.49	18.46	19.04	19.64
	12H	18.18	18.71	18.76	19.29	19.90	18.18	18.71	18.76	19.29	19.90
8H	4H	16.95	17.55	17.51	18.10	18.70	16.95	17.55	17.51	18.10	18.70
	6H	18.02	18.51	18.61	19.11	19.72	18.02	18.51	18.61	19.11	19.72
	8H	18.47	18.91	19.08	19.52	20.14	18.47	18.91	19.08	19.52	20.14
	12H	18.86	19.25	19.47	19.84	20.54	18.86	19.25	19.47	19.84	20.54
12H	4H	16.98	17.51	17.56	18.09	18.70	16.98	17.51	17.56	18.09	18.70
	6H	18.09	18.53	18.71	19.14	19.77	18.09	18.53	18.71	19.14	19.77
	8H	18.61	18.99	19.21	19.58	20.28	18.61	18.99	19.21	19.58	20.28

END OF REPORT