

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: P1221331

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221331
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

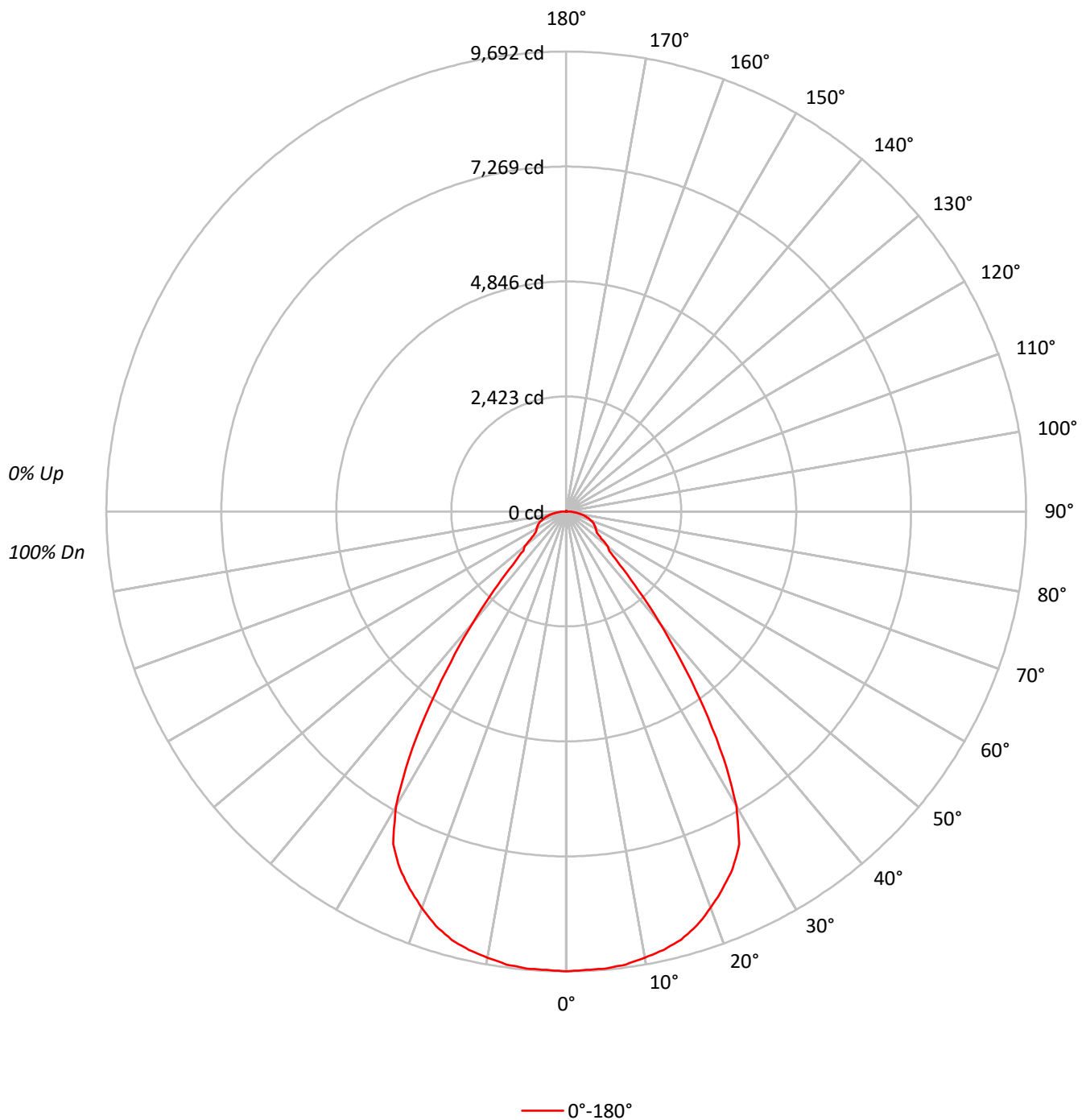
Lumens per Lamp: N/A
Luminaire Lumens: 13872.7 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	102	109	105	103	100	101	99	97	97	96	94	94	92	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50		
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52982
5°	50673
10°	48424
15°	46240
20°	43297
25°	40060
30°	34574
35°	24533
40°	15092
45°	8002
50°	5935
55°	4292
60°	4071
65°	3913
70°	3587
75°	3083
80°	2318
85°	1255

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8002 cd/sqm

TEST NUMBER: P1221331

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	919.0	6.6
10°-20°	2625.4	18.9
20°-30°	3778.8	27.2
30°-40°	3142.9	22.7
40°-50°	1366.9	9.9
50°-60°	759.1	5.5
60°-70°	639.5	4.6
70°-80°	457.6	3.3
80°-90°	158.1	1.1
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	1.9	0.0
120°-130°	2.2	0.0
130°-140°	3.4	0.0
140°-150°	5.3	0.0
150°-160°	5.0	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7323.3	52.8
0°-40°	10466.3	75.4
0°-60°	12592.3	90.8
0°-90°	13847.5	99.8
90°-120°	5.2	0.0
90°-150°	16.2	0.1
90°-180°	25.0	0.2
0°-180°	13872.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9692	
5°	9667	919
15°	9344	2625
25°	8302	3779
35°	5056	3143
45°	1590	1367
55°	795	759
65°	650	640
75°	438	458
85°	143	148
90°	9	11
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9691.5
2.5°	9671.0
5°	9666.9
7.5°	9628.9
10°	9547.9
12.5°	9463.8
15°	9343.7
17.5°	9149.9
20°	8894.5
22.5°	8611.3
25°	8301.6
27.5°	7897.4
30°	7172.2
32.5°	6174.1
35°	5056.0
37.5°	3991.3
40°	3066.0
42.5°	2248.5
45°	1589.9
47.5°	1224.8
50°	1143.7
52.5°	925.2
55°	795.0
57.5°	748.8
60°	718.0
62.5°	688.3
65°	650.3
67.5°	606.2
70°	554.9
72.5°	499.5
75°	438.0
77.5°	370.3
80°	297.5
82.5°	221.6
85°	142.6
87.5°	63.6
90°	9.2
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	1.0
110°	1.0

TEST NUMBER: P1221331

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.1
115°	2.1
117.5°	2.1
120°	2.1
122.5°	2.1
125°	2.1
127.5°	3.1
130°	3.1
132.5°	4.1
135°	4.1
137.5°	5.1
140°	6.2
142.5°	7.2
145°	8.2
147.5°	10.3
150°	11.3
152.5°	11.3
155°	10.3
157.5°	10.3
160°	10.3
162.5°	10.3
165°	10.3
167.5°	10.3
170°	11.3
172.5°	11.3
175°	11.3
177.5°	11.3
180°	11.3

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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	13.33	14.57	13.70	14.88	15.20	13.33	14.57	13.70	14.88	15.20
	3H	15.45	16.55	15.83	16.89	17.26	15.45	16.55	15.83	16.89	17.26
	4H	16.24	17.27	16.65	17.63	18.01	16.24	17.27	16.65	17.63	18.01
	6H	16.79	17.74	17.20	18.11	18.51	16.79	17.74	17.20	18.11	18.51
	8H	16.94	17.84	17.37	18.23	18.64	16.94	17.84	17.37	18.23	18.64
	12H	17.01	17.87	17.45	18.26	18.69	17.01	17.87	17.45	18.26	18.69
4H	2H	13.94	14.98	14.35	15.33	15.72	13.94	14.98	14.35	15.33	15.72
	3H	16.23	17.08	16.64	17.49	17.90	16.23	17.08	16.64	17.49	17.90
	4H	17.12	17.89	17.56	18.32	18.76	17.12	17.89	17.56	18.32	18.76
	6H	17.78	18.44	18.25	18.89	19.37	17.78	18.44	18.25	18.89	19.37
	8H	17.96	18.59	18.44	19.04	19.51	17.96	18.59	18.44	19.04	19.51
	12H	18.07	18.61	18.56	19.10	19.58	18.07	18.61	18.56	19.10	19.58
8H	4H	17.38	18.00	17.85	18.45	18.93	17.38	18.00	17.85	18.45	18.93
	6H	18.14	18.64	18.64	19.14	19.63	18.14	18.64	18.64	19.14	19.63
	8H	18.38	18.84	18.91	19.36	19.85	18.38	18.84	18.91	19.36	19.85
	12H	18.54	18.94	19.06	19.44	20.02	18.54	18.94	19.06	19.44	20.02
12H	4H	17.38	17.93	17.87	18.42	18.90	17.38	17.93	17.87	18.42	18.90
	6H	18.16	18.62	18.69	19.14	19.63	18.16	18.62	18.69	19.14	19.63
	8H	18.46	18.85	18.98	19.35	19.93	18.46	18.85	18.98	19.35	19.93