

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1221279

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221279
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
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_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

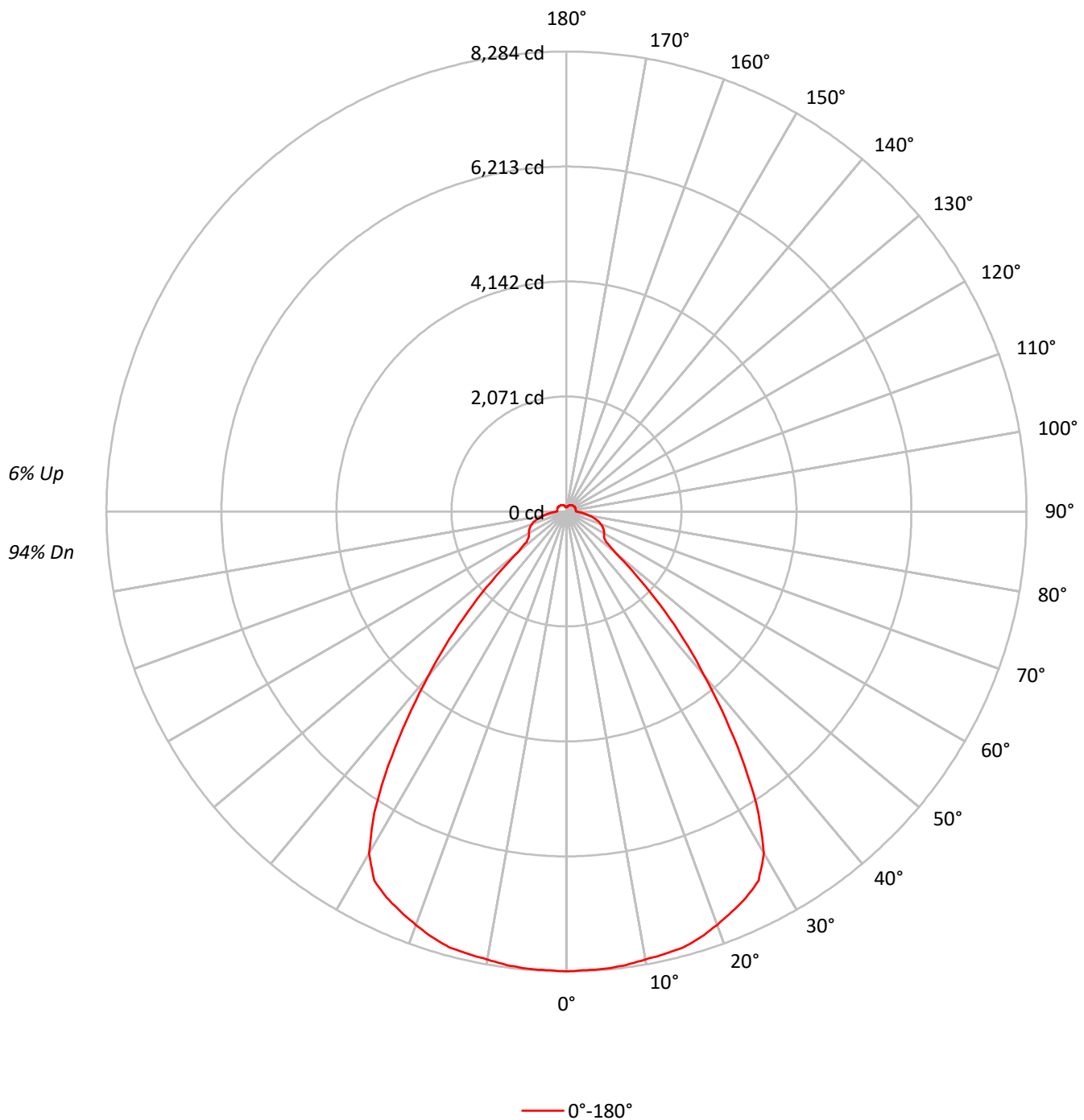
Lumens per Lamp: N/A
Luminaire Lumens: 15264.8 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	96	96	96	96	96			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	84	84	86	88	90	94			
2	101	95	89	84	98	92	87	83	88	84	80	84	80	77	80	77	75	75	77	80	84	88			
3	94	86	79	74	91	84	78	73	80	75	71	76	72	69	73	70	67	67	70	73	77	81			
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	60	63	67	71	75			
5	82	71	64	58	80	70	63	58	67	61	57	65	59	55	62	58	54	54	58	62	66	70			
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	58	53	49	49	53	57	61	65			
7	72	60	53	48	70	59	52	47	57	51	47	55	50	46	54	49	45	45	49	53	57	61			
8	68	56	49	44	66	55	48	43	53	47	43	52	46	42	50	45	41	41	45	49	53	57			
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	38	42	46	50	54			
10	60	48	41	37	59	48	41	37	46	40	36	45	40	36	44	39	35	35	39	43	47	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	45286
5°	43341
10°	41557
15°	40221
20°	38583
25°	37011
30°	34273
35°	27152
40°	19024
45°	12038
50°	5896
55°	4489
60°	4426
65°	4414
70°	4253
75°	3862
80°	3224
85°	2454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12038 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.7	5.2
10°-20°	2292.2	15.0
20°-30°	3517.2	23.0
30°-40°	3450.1	22.6
40°-50°	1851.9	12.1
50°-60°	781.6	5.1
60°-70°	722.1	4.7
70°-80°	574.2	3.8
80°-90°	308.8	2.0
90°-100°	184.1	1.2
100°-110°	181.7	1.2
110°-120°	169.1	1.1
120°-130°	146.6	1.0
130°-140°	118.6	0.8
140°-150°	87.4	0.6
150°-160°	56.5	0.4
160°-170°	28.3	0.2
170°-180°	7.7	0.1
0°-30°	6596.1	43.2
0°-40°	10046.2	65.8
0°-60°	12679.7	83.1
0°-90°	14284.8	93.6
90°-120°	534.9	3.5
90°-150°	887.5	5.8
90°-180°	980.0	6.4
0°-180°	15264.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8284	
5°	8268	787
15°	8127	2292
25°	7670	3517
35°	5596	3450
45°	2392	1852
55°	832	782
65°	734	722
75°	549	574
85°	279	255
90°	176	100
95°	168	137
105°	172	182
115°	171	169
125°	164	147
135°	153	119
145°	139	87
155°	122	56
165°	99	28
175°	80	8
180°	79	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8283.7
2.5°	8268.3
5°	8268.3
7.5°	8239.7
10°	8193.8
12.5°	8166.2
15°	8127.4
17.5°	8044.6
20°	7926.1
22.5°	7800.4
25°	7669.6
27.5°	7492.9
30°	7109.8
32.5°	6436.5
35°	5595.7
37.5°	4707.8
40°	3865.0
42.5°	3112.0
45°	2391.7
47.5°	1711.3
50°	1136.1
52.5°	904.2
55°	831.6
57.5°	802.0
60°	780.6
62.5°	760.1
65°	733.6
67.5°	699.8
70°	658.0
72.5°	607.9
75°	548.6
77.5°	482.2
80°	413.8
82.5°	345.3
85°	278.9
87.5°	214.5
90°	175.7
92.5°	165.5
95°	167.6
97.5°	168.6
100°	170.6
102.5°	171.6
105°	171.6
107.5°	172.7
110°	171.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	171.6
115°	170.6
117.5°	169.6
120°	167.6
122.5°	165.5
125°	163.5
127.5°	161.4
130°	158.4
132.5°	156.3
135°	153.2
137.5°	150.2
140°	146.1
142.5°	143.0
145°	138.9
147.5°	134.9
150°	130.8
152.5°	126.7
155°	121.6
157.5°	116.5
160°	111.4
162.5°	105.2
165°	99.1
167.5°	91.9
170°	84.8
172.5°	78.7
175°	79.7
177.5°	79.7
180°	78.7

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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	13.13	14.33	13.61	14.78	15.26	13.13	14.33	13.61	14.78	15.26
	3H	15.55	16.63	16.04	17.09	17.61	15.55	16.63	16.04	17.09	17.61
	4H	16.51	17.52	17.03	18.00	18.54	16.51	17.52	17.03	18.00	18.54
	6H	17.26	18.19	17.78	18.69	19.23	17.26	18.19	17.78	18.69	19.23
	8H	17.53	18.41	18.07	18.93	19.48	17.53	18.41	18.07	18.93	19.48
	12H	17.73	18.58	18.27	19.09	19.67	17.73	18.58	18.27	19.09	19.67
4H	2H	13.83	14.84	14.34	15.31	15.85	13.83	14.84	14.34	15.31	15.85
	3H	16.41	17.25	16.94	17.78	18.34	16.41	17.25	16.94	17.78	18.34
	4H	17.49	18.25	18.03	18.79	19.38	17.49	18.25	18.03	18.79	19.38
	6H	18.36	19.02	18.93	19.58	20.19	18.36	19.02	18.93	19.58	20.19
	8H	18.68	19.30	19.25	19.86	20.48	18.68	19.30	19.25	19.86	20.48
	12H	18.94	19.49	19.53	20.08	20.70	18.94	19.49	19.53	20.08	20.70
8H	4H	17.82	18.44	18.39	19.00	19.61	17.82	18.44	18.39	19.00	19.61
	6H	18.82	19.33	19.42	19.94	20.56	18.82	19.33	19.42	19.94	20.56
	8H	19.23	19.69	19.85	20.31	20.95	19.23	19.69	19.85	20.31	20.95
	12H	19.60	20.00	20.21	20.60	21.31	19.60	20.00	20.21	20.60	21.31
12H	4H	17.85	18.40	18.43	18.99	19.61	17.85	18.40	18.43	18.99	19.61
	6H	18.89	19.34	19.51	19.96	20.60	18.89	19.34	19.51	19.96	20.60
	8H	19.36	19.76	19.97	20.36	21.07	19.36	19.76	19.97	20.36	21.07

END OF REPORT