

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: P1221276

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L12_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221276
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_L12_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

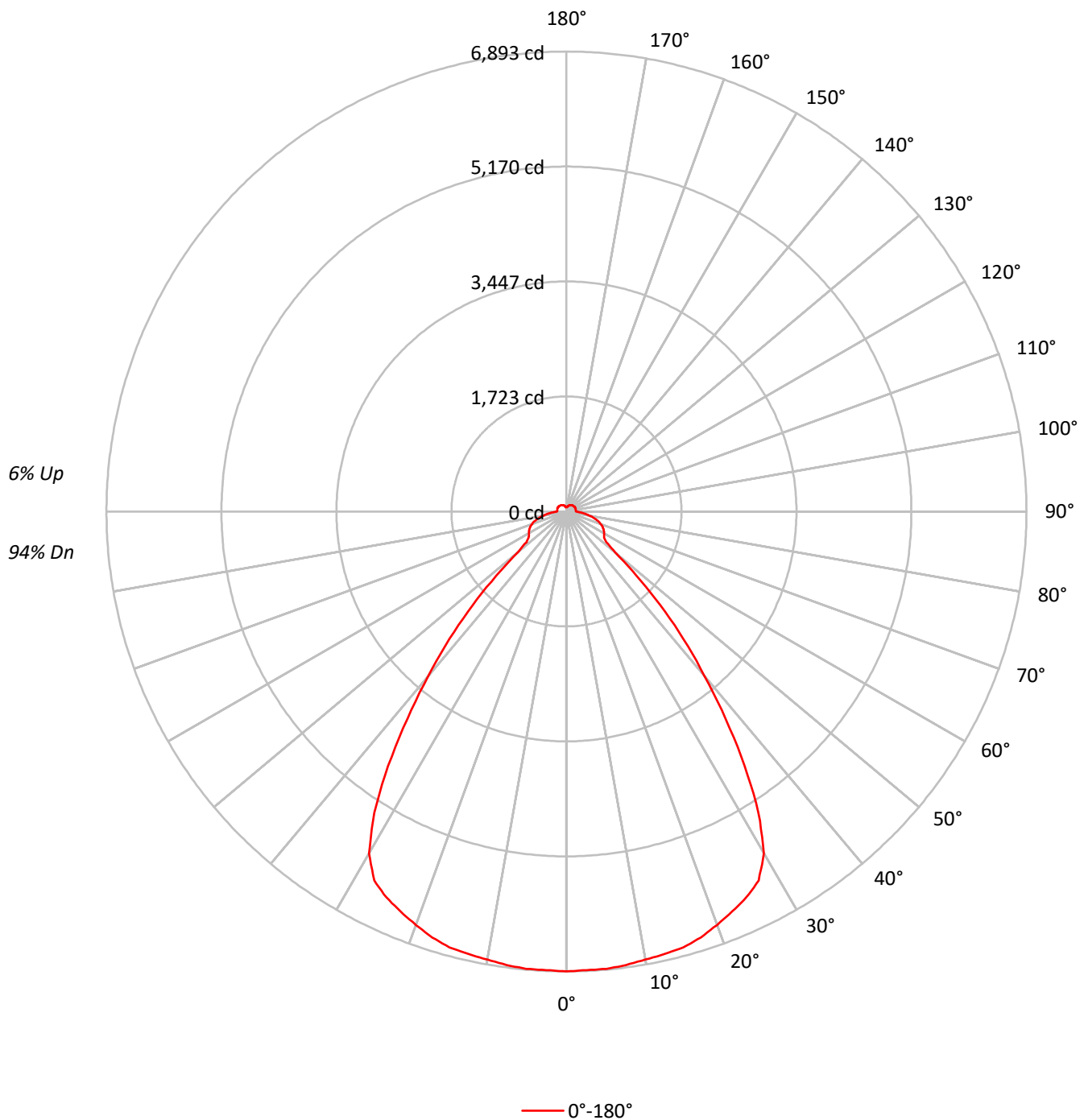
Lumens per Lamp: N/A
Luminaire Lumens: 12702.6 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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
RCR																					
0	118	118	118	118		114	114	114	114		108	108	108		102	102	102		96	96	96
1	109	105	102	98		106	102	99	96		97	94	92		92	90	88		88	86	84
2	101	95	89	84		98	92	87	83		88	84	80		84	80	77		80	77	75
3	94	86	79	74		91	84	78	73		80	75	71		76	72	69		73	70	67
4	88	78	71	65		85	76	70	64		73	67	63		70	65	61		67	63	60
5	82	71	64	58		80	70	63	58		67	61	57		65	59	55		62	58	54
6	77	66	58	53		75	64	57	52		62	56	51		60	54	50		58	53	49
7	72	60	53	48		70	59	52	47		57	51	47		55	50	46		54	49	45
8	68	56	49	44		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	40		50	43	39		48	43	39		47	42	38
10	60	48	41	37		59	48	41	37		46	40	36		45	40	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37685
5°	36067
10°	34582
15°	33470
20°	32107
25°	30799
30°	28520
35°	22595
40°	15831
45°	10017
50°	4906
55°	3736
60°	3682
65°	3673
70°	3539
75°	3213
80°	2683
85°	2043

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 10017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.7	5.2
10°-20°	1907.5	15.0
20°-30°	2926.8	23.0
30°-40°	2871.0	22.6
40°-50°	1541.1	12.1
50°-60°	650.4	5.1
60°-70°	600.8	4.7
70°-80°	477.8	3.8
80°-90°	257.0	2.0
90°-100°	153.2	1.2
100°-110°	151.2	1.2
110°-120°	140.7	1.1
120°-130°	122.0	1.0
130°-140°	98.7	0.8
140°-150°	72.7	0.6
150°-160°	47.0	0.4
160°-170°	23.6	0.2
170°-180°	6.4	0.1
0°-30°	5489.0	43.2
0°-40°	8360.0	65.8
0°-60°	10551.5	83.1
0°-90°	11887.2	93.6
90°-120°	445.1	3.5
90°-150°	738.5	5.8
90°-180°	815.0	6.4
0°-180°	12702.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6893	
5°	6880	655
15°	6763	1907
25°	6382	2927
35°	4656	2871
45°	1990	1541
55°	692	650
65°	610	601
75°	456	478
85°	232	213
90°	146	83
95°	139	114
105°	143	151
115°	142	141
125°	136	122
135°	128	99
145°	116	73
155°	101	47
165°	82	24
175°	66	6
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6893.3
2.5°	6880.5
5°	6880.5
7.5°	6856.7
10°	6818.5
12.5°	6795.5
15°	6763.2
17.5°	6694.4
20°	6595.7
22.5°	6491.2
25°	6382.3
27.5°	6235.3
30°	5916.4
32.5°	5356.2
35°	4656.5
37.5°	3917.7
40°	3216.3
42.5°	2589.7
45°	1990.3
47.5°	1424.1
50°	945.4
52.5°	752.4
55°	692.1
57.5°	667.4
60°	649.5
62.5°	632.5
65°	610.4
67.5°	582.4
70°	547.5
72.5°	505.9
75°	456.5
77.5°	401.3
80°	344.3
82.5°	287.4
85°	232.1
87.5°	178.5
90°	146.2
92.5°	137.7
95°	139.4
97.5°	140.3
100°	142.0
102.5°	142.8
105°	142.8
107.5°	143.7
110°	142.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.8
115°	142.0
117.5°	141.1
120°	139.4
122.5°	137.7
125°	136.0
127.5°	134.3
130°	131.8
132.5°	130.1
135°	127.5
137.5°	125.0
140°	121.6
142.5°	119.0
145°	115.6
147.5°	112.2
150°	108.8
152.5°	105.4
155°	101.2
157.5°	96.9
160°	92.7
162.5°	87.6
165°	82.5
167.5°	76.5
170°	70.6
172.5°	65.5
175°	66.3
177.5°	66.3
180°	65.5

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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	12.49	13.69	12.97	14.14	14.62	12.49	13.69	12.97	14.14	14.62
	3H	14.91	15.99	15.40	16.45	16.97	14.91	15.99	15.40	16.45	16.97
	4H	15.88	16.88	16.39	17.36	17.90	15.88	16.88	16.39	17.36	17.90
	6H	16.62	17.55	17.15	18.05	18.60	16.62	17.55	17.15	18.05	18.60
	8H	16.89	17.77	17.43	18.29	18.85	16.89	17.77	17.43	18.29	18.85
	12H	17.10	17.94	17.64	18.45	19.03	17.10	17.94	17.64	18.45	19.03
4H	2H	13.19	14.20	13.70	14.68	15.21	13.19	14.20	13.70	14.68	15.21
	3H	15.77	16.62	16.30	17.14	17.70	15.77	16.62	16.30	17.14	17.70
	4H	16.85	17.61	17.39	18.15	18.74	16.85	17.61	17.39	18.15	18.74
	6H	17.72	18.38	18.29	18.94	19.56	17.72	18.38	18.29	18.94	19.56
	8H	18.04	18.66	18.61	19.22	19.84	18.04	18.66	18.61	19.22	19.84
	12H	18.30	18.85	18.89	19.45	20.07	18.30	18.85	18.89	19.45	20.07
8H	4H	17.18	17.80	17.75	18.36	18.98	17.18	17.80	17.75	18.36	18.98
	6H	18.18	18.69	18.78	19.30	19.92	18.18	18.69	18.78	19.30	19.92
	8H	18.59	19.05	19.21	19.67	20.31	18.59	19.05	19.21	19.67	20.31
	12H	18.96	19.36	19.57	19.96	20.67	18.96	19.36	19.57	19.96	20.67
12H	4H	17.21	17.76	17.80	18.35	18.97	17.21	17.76	17.80	18.35	18.97
	6H	18.25	18.71	18.87	19.33	19.96	18.25	18.71	18.87	19.33	19.96
	8H	18.72	19.12	19.33	19.73	20.44	18.72	19.12	19.33	19.73	20.44