

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: P1221262

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221262
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

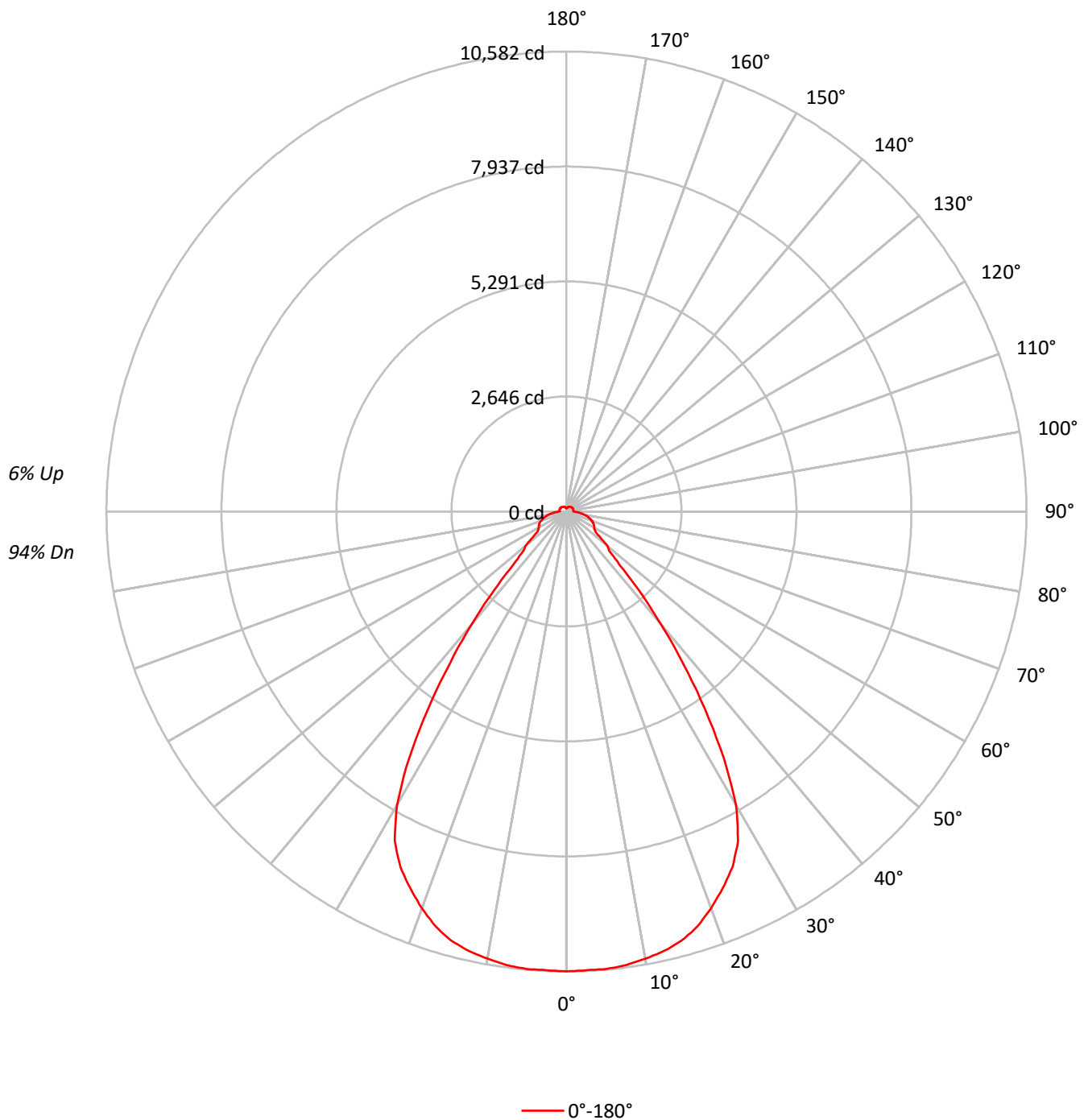
Lumens per Lamp: N/A
Luminaire Lumens: 16178.1 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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				0
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	97	97	97
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86
2	102	96	90	86	99	93	89	84	89	85	82	85	82	79	82	79	77
3	96	87	81	76	93	85	79	75	82	77	73	78	74	71	75	72	69
4	89	80	73	68	87	78	72	67	75	70	65	72	68	64	70	66	63
5	84	73	66	61	82	72	65	60	69	64	59	67	62	58	65	61	57
6	79	68	61	55	77	67	60	55	64	58	54	62	57	53	60	56	52
7	74	63	56	51	72	62	55	50	60	54	50	58	53	49	56	52	48
8	70	58	51	47	68	58	51	46	56	50	46	54	49	45	53	48	45
9	66	55	48	43	64	54	47	43	52	46	42	51	46	42	50	45	41
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57851
5°	55387
10°	52996
15°	50614
20°	47303
25°	43575
30°	37602
35°	26961
40°	16645
45°	8658
50°	6404
55°	4410
60°	4181
65°	4150
70°	3988
75°	3687
80°	3188
85°	2450

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8658 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.9	6.2
10°-20°	2872.7	17.8
20°-30°	4109.8	25.4
30°-40°	3446.6	21.3
40°-50°	1490.5	9.2
50°-60°	790.2	4.9
60°-70°	679.1	4.2
70°-80°	549.0	3.4
80°-90°	306.2	1.9
90°-100°	174.2	1.1
100°-110°	171.8	1.1
110°-120°	160.1	1.0
120°-130°	138.7	0.9
130°-140°	112.1	0.7
140°-150°	83.0	0.5
150°-160°	54.3	0.3
160°-170°	27.6	0.2
170°-180°	7.6	0.0
0°-30°	7987.3	49.4
0°-40°	11433.9	70.7
0°-60°	13714.6	84.8
0°-90°	15248.9	94.3
90°-120°	506.0	3.1
90°-150°	839.8	5.2
90°-180°	929.0	5.7
0°-180°	16178.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10582	
5°	10566	###
15°	10228	2873
25°	9030	4110
35°	5556	3447
45°	1720	1490
55°	817	790
65°	690	679
75°	524	549
85°	278	254
90°	168	96
95°	158	130
105°	162	172
115°	161	160
125°	154	139
135°	144	112
145°	132	83
155°	117	54
165°	97	28
175°	78	8
180°	78	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10582.2
2.5°	10565.1
5°	10566.2
7.5°	10528.8
10°	10449.2
12.5°	10359.4
15°	10227.6
17.5°	10011.7
20°	9717.4
22.5°	9387.9
25°	9030.0
27.5°	8551.6
30°	7800.5
32.5°	6740.4
35°	5556.4
37.5°	4409.9
40°	3381.6
42.5°	2463.5
45°	1720.3
47.5°	1327.2
50°	1234.0
52.5°	974.9
55°	817.0
57.5°	763.6
60°	737.4
62.5°	715.9
65°	689.7
67.5°	656.8
70°	617.0
72.5°	572.7
75°	523.8
77.5°	469.3
80°	409.1
82.5°	346.6
85°	278.4
87.5°	210.2
90°	168.2
92.5°	155.7
95°	157.9
97.5°	160.2
100°	161.4
102.5°	162.5
105°	162.5
107.5°	162.5
110°	162.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.5
115°	161.4
117.5°	160.2
120°	159.1
122.5°	156.8
125°	154.5
127.5°	152.3
130°	150.0
132.5°	147.7
135°	144.3
137.5°	142.0
140°	138.6
142.5°	135.2
145°	131.8
147.5°	128.4
150°	125.0
152.5°	121.6
155°	117.0
157.5°	112.5
160°	106.8
162.5°	102.3
165°	96.6
167.5°	89.8
170°	84.1
172.5°	78.4
175°	78.4
177.5°	78.4
180°	78.4

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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	12.68	13.84	13.14	14.27	14.73	12.68	13.84	13.14	14.27	14.73
	3H	15.04	16.08	15.52	16.53	17.03	15.04	16.08	15.52	16.53	17.03
	4H	16.01	16.98	16.51	17.45	17.97	16.01	16.98	16.51	17.45	17.97
	6H	16.80	17.70	17.32	18.18	18.72	16.80	17.70	17.32	18.18	18.72
	8H	17.10	17.95	17.63	18.45	19.00	17.10	17.95	17.63	18.45	19.00
	12H	17.33	18.14	17.86	18.63	19.20	17.33	18.14	17.86	18.63	19.20
4H	2H	13.34	14.31	13.85	14.78	15.31	13.34	14.31	13.85	14.78	15.31
	3H	15.88	16.69	16.39	17.20	17.75	15.88	16.69	16.39	17.20	17.75
	4H	16.97	17.71	17.51	18.23	18.81	16.97	17.71	17.51	18.23	18.81
	6H	17.90	18.53	18.46	19.09	19.68	17.90	18.53	18.46	19.09	19.68
	8H	18.25	18.85	18.82	19.40	20.00	18.25	18.85	18.82	19.40	20.00
	12H	18.54	19.06	19.12	19.65	20.25	18.54	19.06	19.12	19.65	20.25
8H	4H	17.31	17.90	17.87	18.45	19.05	17.31	17.90	17.87	18.45	19.05
	6H	18.38	18.86	18.97	19.46	20.07	18.38	18.86	18.97	19.46	20.07
	8H	18.83	19.26	19.44	19.87	20.50	18.83	19.26	19.44	19.87	20.50
	12H	19.22	19.60	19.83	20.20	20.89	19.22	19.60	19.83	20.20	20.89
12H	4H	17.34	17.87	17.92	18.45	19.06	17.34	17.87	17.92	18.45	19.06
	6H	18.45	18.89	19.06	19.50	20.12	18.45	18.89	19.06	19.50	20.12
	8H	18.96	19.35	19.57	19.94	20.64	18.96	19.35	19.57	19.94	20.64