

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: P1221288

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221288
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

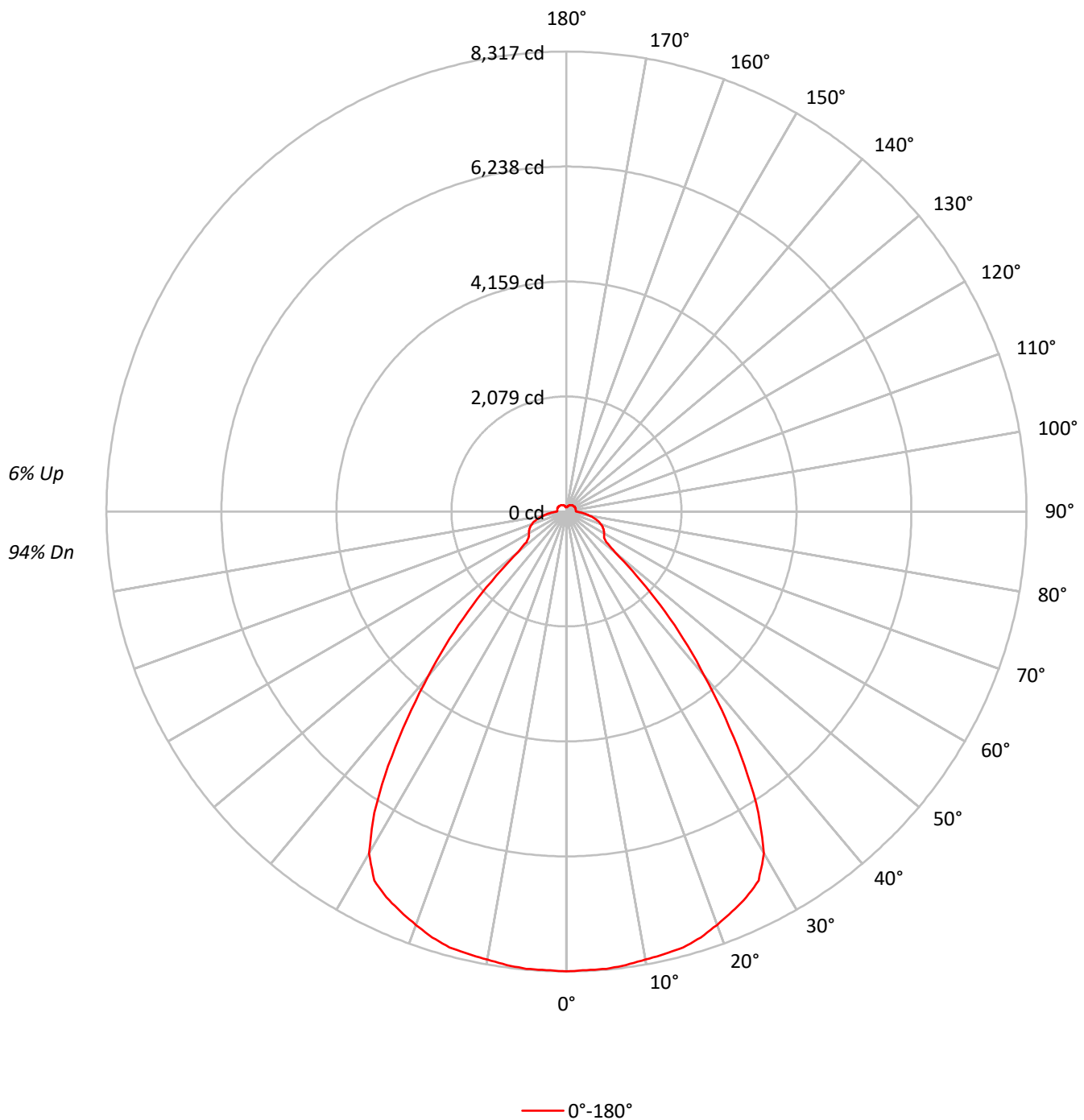
Lumens per Lamp: N/A
Luminaire Lumens: 15326.1 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

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°	45467
5°	43516
10°	41724
15°	40382
20°	38738
25°	37160
30°	34410
35°	27261
40°	19101
45°	12086
50°	5920
55°	4507
60°	4443
65°	4432
70°	4270
75°	3877
80°	3237
85°	2464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 12086 cd/sqm

TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.9	5.2
10°-20°	2301.4	15.0
20°-30°	3531.3	23.0
30°-40°	3463.9	22.6
40°-50°	1859.3	12.1
50°-60°	784.7	5.1
60°-70°	725.0	4.7
70°-80°	576.5	3.8
80°-90°	310.1	2.0
90°-100°	184.8	1.2
100°-110°	182.4	1.2
110°-120°	169.8	1.1
120°-130°	147.2	1.0
130°-140°	119.1	0.8
140°-150°	87.7	0.6
150°-160°	56.7	0.4
160°-170°	28.4	0.2
170°-180°	7.7	0.1
0°-30°	6622.6	43.2
0°-40°	10086.6	65.8
0°-60°	12730.6	83.1
0°-90°	14342.1	93.6
90°-120°	537.0	3.5
90°-150°	891.1	5.8
90°-180°	984.0	6.4
0°-180°	15326.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8317	
5°	8302	790
15°	8160	2301
25°	7700	3531
35°	5618	3464
45°	2401	1859
55°	835	785
65°	736	725
75°	551	576
85°	280	256
90°	176	101
95°	168	138
105°	172	182
115°	171	170
125°	164	147
135°	154	119
145°	140	88
155°	122	57
165°	100	28
175°	80	8
180°	79	

TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8316.9
2.5°	8301.6
5°	8301.6
7.5°	8272.8
10°	8226.7
12.5°	8199.0
15°	8160.0
17.5°	8076.9
20°	7957.9
22.5°	7831.8
25°	7700.5
27.5°	7523.0
30°	7138.3
32.5°	6462.4
35°	5618.1
37.5°	4726.7
40°	3880.5
42.5°	3124.5
45°	2401.3
47.5°	1718.2
50°	1140.7
52.5°	907.8
55°	835.0
57.5°	805.2
60°	783.7
62.5°	763.2
65°	736.5
67.5°	702.7
70°	660.6
72.5°	610.3
75°	550.8
77.5°	484.2
80°	415.4
82.5°	346.7
85°	280.0
87.5°	215.4
90°	176.4
92.5°	166.2
95°	168.2
97.5°	169.3
100°	171.3
102.5°	172.3
105°	172.3
107.5°	173.4
110°	172.3

TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	172.3
115°	171.3
117.5°	170.3
120°	168.2
122.5°	166.2
125°	164.1
127.5°	162.1
130°	159.0
132.5°	156.9
135°	153.9
137.5°	150.8
140°	146.7
142.5°	143.6
145°	139.5
147.5°	135.4
150°	131.3
152.5°	127.2
155°	122.1
157.5°	116.9
160°	111.8
162.5°	105.7
165°	99.5
167.5°	92.3
170°	85.1
172.5°	79.0
175°	80.0
177.5°	80.0
180°	79.0

TEST NUMBER: P1221288

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L16_Wide_120V)

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	13.15	14.35	13.62	14.79	15.27	13.15	14.35	13.62	14.79	15.27
	3H	15.56	16.64	16.05	17.10	17.62	15.56	16.64	16.05	17.10	17.62
	4H	16.53	17.54	17.04	18.02	18.55	16.53	17.54	17.04	18.02	18.55
	6H	17.27	18.20	17.80	18.70	19.25	17.27	18.20	17.80	18.70	19.25
	8H	17.54	18.43	18.08	18.94	19.50	17.54	18.43	18.08	18.94	19.50
	12H	17.75	18.59	18.29	19.10	19.68	17.75	18.59	18.29	19.10	19.68
4H	2H	13.84	14.85	14.35	15.33	15.87	13.84	14.85	14.35	15.33	15.87
	3H	16.43	17.27	16.95	17.79	18.35	16.43	17.27	16.95	17.79	18.35
	4H	17.50	18.27	18.05	18.80	19.39	17.50	18.27	18.05	18.80	19.39
	6H	18.37	19.03	18.94	19.60	20.21	18.37	19.03	18.94	19.60	20.21
	8H	18.69	19.31	19.27	19.87	20.49	18.69	19.31	19.27	19.87	20.49
	12H	18.95	19.51	19.54	20.10	20.72	18.95	19.51	19.54	20.10	20.72
8H	4H	17.83	18.45	18.40	19.01	19.63	17.83	18.45	18.40	19.01	19.63
	6H	18.83	19.34	19.44	19.95	20.58	18.83	19.34	19.44	19.95	20.58
	8H	19.25	19.70	19.87	20.32	20.96	19.25	19.70	19.87	20.32	20.96
	12H	19.61	20.01	20.23	20.62	21.33	19.61	20.01	20.23	20.62	21.33
12H	4H	17.86	18.41	18.45	19.00	19.62	17.86	18.41	18.45	19.00	19.62
	6H	18.90	19.36	19.52	19.98	20.61	18.90	19.36	19.52	19.98	20.61
	8H	19.37	19.78	19.99	20.38	21.09	19.37	19.78	19.99	20.38	21.09