

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504765

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504765
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

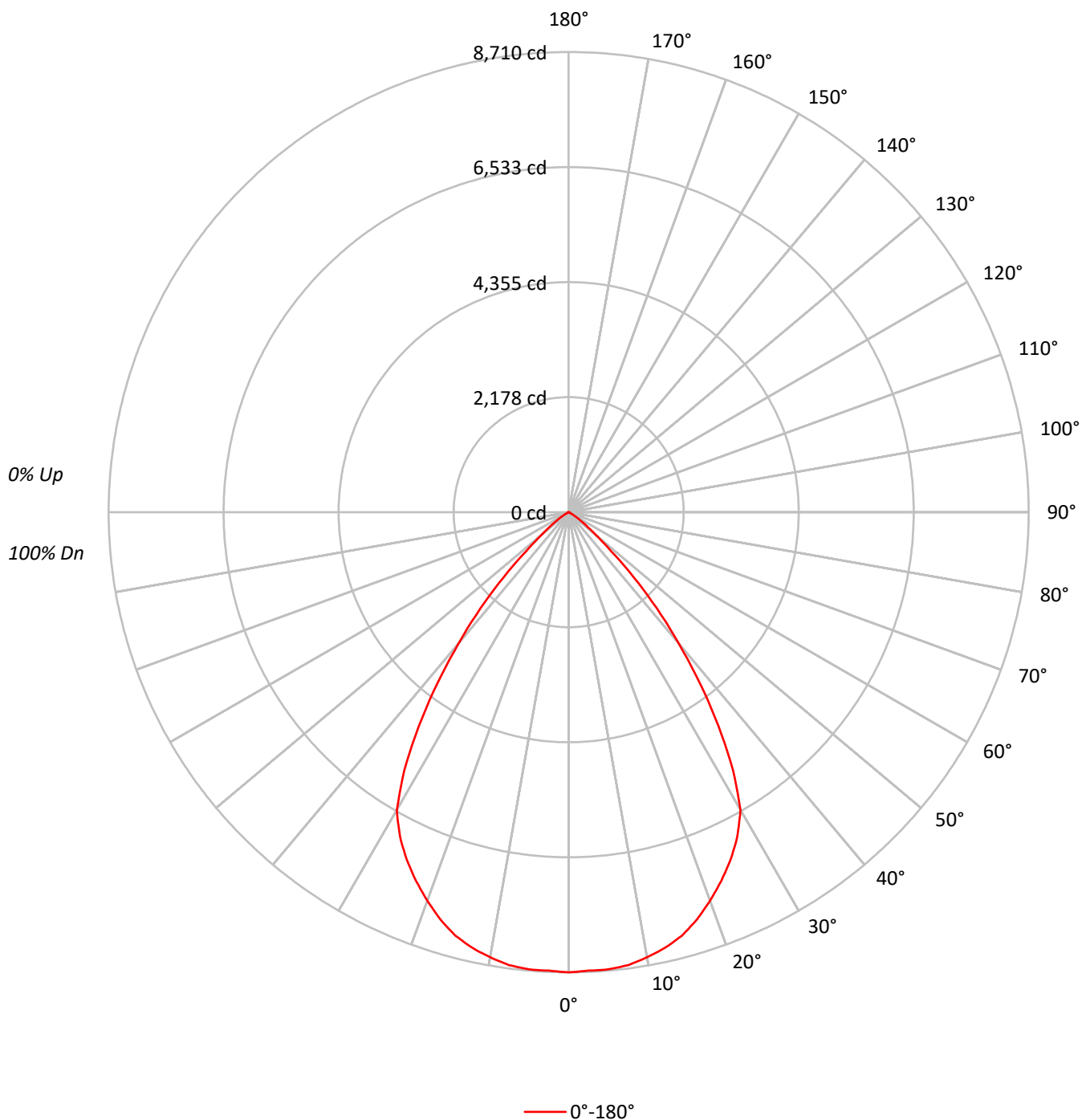
Lumens per Lamp: N/A
Luminaire Lumens: 11229.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.3
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

TEST NUMBER: P1504765

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504765

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85								
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78								
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71								
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65								
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60								
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55								
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51								
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47								
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70634
5°	70716
10°	70447
15°	69650
20°	67529
25°	64925
30°	60922
35°	48965
40°	34225
45°	20001
50°	8415
55°	3916
60°	1054
65°	499
70°	522
75°	533
80°	514
85°	558

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20001 cd/sqm

TEST NUMBER: P1504765

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.1	7.3
10°-20°	2329.0	20.7
20°-30°	3325.6	29.6
30°-40°	3049.6	27.2
40°-50°	1375.9	12.3
50°-60°	267.5	2.4
60°-70°	32.4	0.3
70°-80°	17.5	0.2
80°-90°	6.4	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6479.8	57.7
0°-40°	9529.3	84.9
0°-60°	11172.7	99.5
0°-90°	11229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11229.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8710	
5°	8687	825
15°	8296	2329
25°	7256	3326
35°	4946	3050
45°	1744	1376
55°	277	267
65°	26	32
75°	17	18
85°	6	6
90°	0	

TEST NUMBER: P1504765

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8710
2.5°	8686
5°	8687
7.5°	8647
10°	8555
12.5°	8445
15°	8296
17.5°	8082
20°	7825
22.5°	7552
25°	7256
27.5°	6918
30°	6506
32.5°	5785
35°	4946
37.5°	4077
40°	3233
42.5°	2470
45°	1744
47.5°	1087
50°	667
52.5°	427
55°	277
57.5°	145
60°	65
62.5°	38
65°	26
67.5°	24
70°	22
72.5°	19
75°	17
77.5°	14
80°	11
82.5°	9
85°	6
87.5°	3
90°	0

(END OF REPORT)