

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: P1504226

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504226
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-16)
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-A-04-BLAK-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

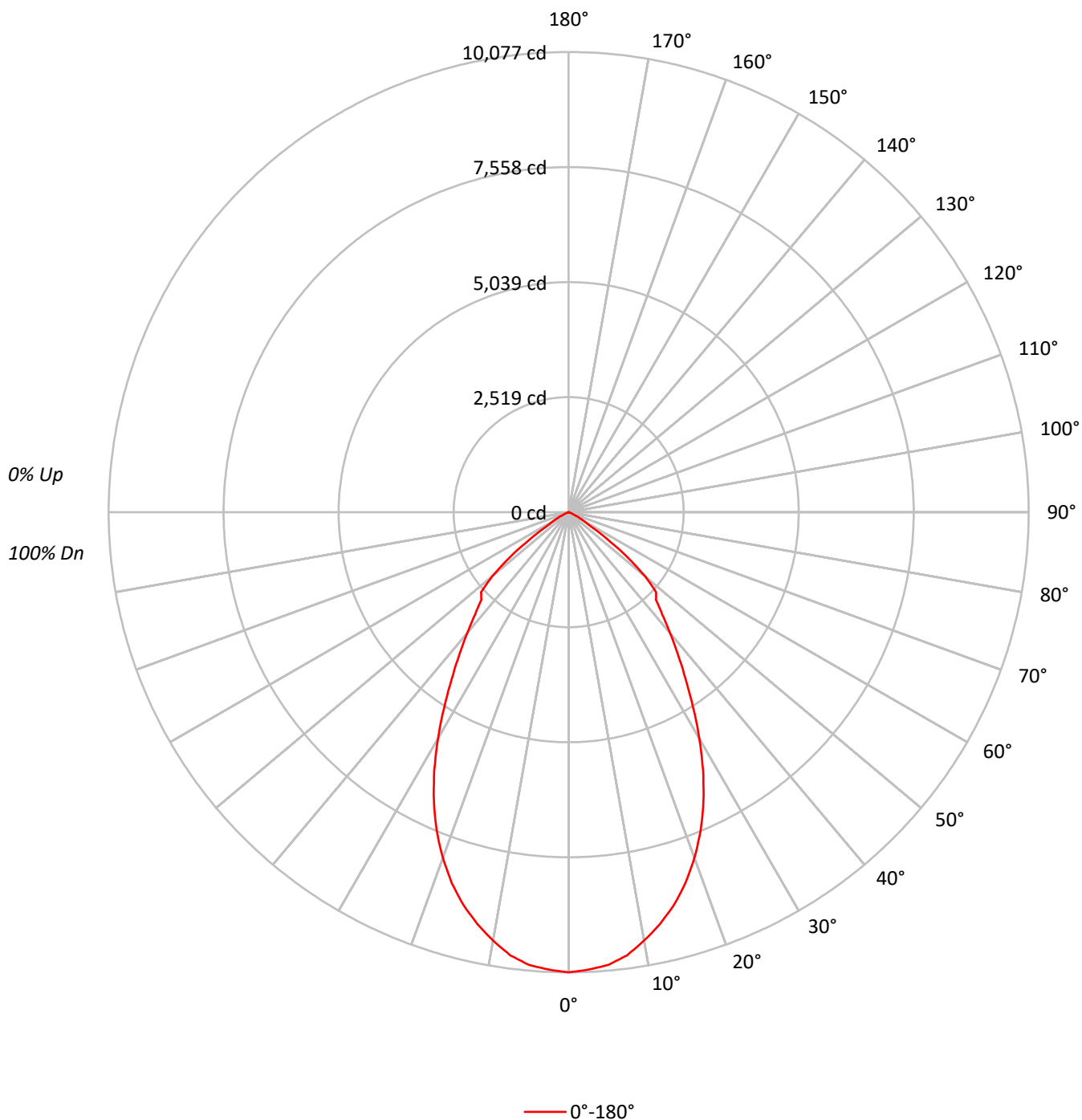
Lumens per Lamp: N/A
Luminaire Lumens: 12730.2 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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: P1504226

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504226

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Narrow_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92							
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83							
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75							
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68							
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62							
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56							
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47							
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44							
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92032
5°	91238
10°	88342
15°	84207
20°	78277
25°	70388
30°	60332
35°	49781
40°	41167
45°	34924
50°	31017
55°	16528
60°	6813
65°	2831
70°	748
75°	282
80°	368
85°	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 35175 cd/sqm

TEST NUMBER: P1504226

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.5	7.4
10°-20°	2490.8	19.6
20°-30°	3185.0	25.0
30°-40°	2808.0	22.1
40°-50°	2147.3	16.9
50°-60°	991.7	7.8
60°-70°	155.3	1.2
70°-80°	11.7	0.1
80°-90°	3.9	0.0
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°	6612.3	51.9
0°-40°	9420.3	74.0
0°-60°	12559.3	98.7
0°-90°	12730.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12730.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10077	
5°	9952	936
15°	8906	2491
25°	6985	3185
35°	4465	2808
45°	2704	2147
55°	1038	992
65°	131	155
75°	8	12
85°	4	4
90°	0	

TEST NUMBER: P1504226

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10077
2.5°	10027
5°	9952
7.5°	9787
10°	9526
12.5°	9237
15°	8906
17.5°	8513
20°	8054
22.5°	7552
25°	6985
27.5°	6374
30°	5721
32.5°	5075
35°	4465
37.5°	3930
40°	3453
42.5°	3027
45°	2704
47.5°	2602
50°	2183
52.5°	1643
55°	1038
57.5°	538
60°	373
62.5°	238
65°	131
67.5°	65
70°	28
72.5°	11
75°	8
77.5°	8
80°	7
82.5°	5
85°	4
87.5°	2
90°	0

(END OF REPORT)