

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: P1504811

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504811
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-CLER-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

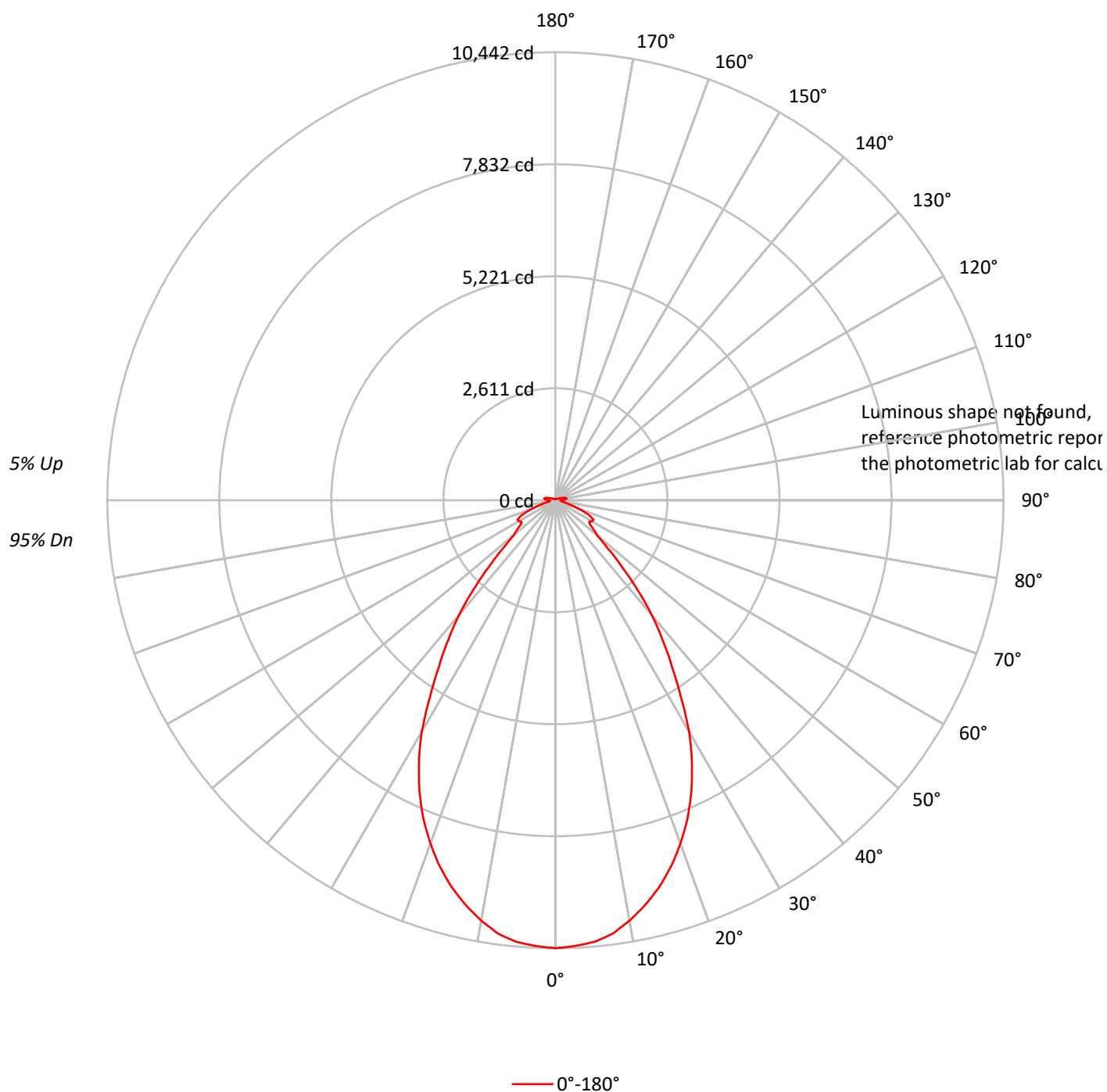
Lumens per Lamp: N/A
Luminaire Lumens: 14666.0 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.5
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: P1504811

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

Luminous Intensity Polar Plot



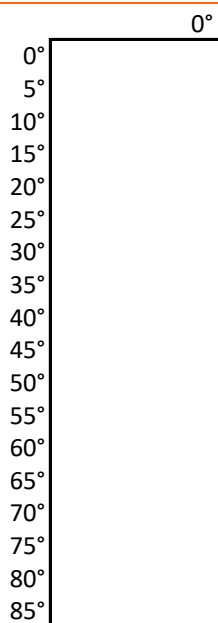
TEST NUMBER: P1504811

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10	0
RCR																		
0	118	118	118	118		115	115	115	115		108	108	108		103	103	103	95
1	110	107	103	100		107	104	101	98		99	96	94		94	92	91	85
2	103	96	91	87		100	94	89	85		90	86	83		86	83	80	76
3	96	87	81	76		93	86	80	75		82	77	73		79	75	71	68
4	89	80	73	68		87	78	72	67		75	70	65		73	68	64	61
5	84	73	66	61		82	72	65	60		70	64	59		67	62	58	55
6	78	68	60	55		76	66	60	55		64	58	54		62	57	53	50
7	74	63	55	50		72	62	55	50		60	54	49		58	53	49	46
8	69	58	51	46		68	57	50	46		56	50	45		54	49	45	43
9	66	54	47	42		64	53	47	42		52	46	42		51	45	41	39
10	62	51	44	39		61	50	44	39		49	43	39		48	42	39	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504811

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	974.4	6.6
10°-20°	2615.0	17.8
20°-30°	3417.2	23.3
30°-40°	2974.0	20.3
40°-50°	1727.6	11.8
50°-60°	931.1	6.3
60°-70°	854.5	5.8
70°-80°	320.9	2.2
80°-90°	145.5	1.0
90°-100°	241.5	1.6
100°-110°	224.7	1.5
110°-120°	102.9	0.7
120°-130°	45.0	0.3
130°-140°	33.6	0.2
140°-150°	26.3	0.2
150°-160°	18.2	0.1
160°-170°	10.6	0.1
170°-180°	2.9	0.0
0°-30°	7006.7	47.8
0°-40°	9980.7	68.1
0°-60°	12639.3	86.2
0°-90°	13960.3	95.2
90°-120°	569.2	3.9
90°-150°	674.1	4.6
90°-180°	706.0	4.8
0°-180°	14666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10442	
5°	10336	974
15°	9337	2615
25°	7496	3417
35°	4735	2974
45°	2192	1728
55°	983	931
65°	920	855
75°	272	321
85°	123	106
90°	156	87
95°	229	194
105°	214	225
115°	100	103
125°	48	45
135°	43	34
145°	42	26
155°	39	18
165°	38	11
175°	30	3
180°	31	

TEST NUMBER: P1504811

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10442
2.5°	10398
5°	10336
7.5°	10191
10°	9949
12.5°	9664
15°	9337
17.5°	8956
20°	8518
22.5°	8039
25°	7496
27.5°	6888
30°	6234
32.5°	5444
35°	4735
37.5°	4108
40°	3489
42.5°	2837
45°	2192
47.5°	1637
50°	1275
52.5°	1123
55°	983
57.5°	933
60°	975
62.5°	1001
65°	920
67.5°	761
70°	570
72.5°	396
75°	272
77.5°	193
80°	147
82.5°	126
85°	123
87.5°	133
90°	156
92.5°	191
95°	229
97.5°	257
100°	262
102.5°	245
105°	214
107.5°	182
110°	152

TEST NUMBER: P1504811

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	124
115°	100
117.5°	80
120°	65
122.5°	54
125°	48
127.5°	44
130°	43
132.5°	43
135°	43
137.5°	44
140°	44
142.5°	43
145°	42
147.5°	40
150°	40
152.5°	39
155°	39
157.5°	39
160°	40
162.5°	39
165°	38
167.5°	35
170°	32
172.5°	30
175°	30
177.5°	31
180°	31

(END OF REPORT)