

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: P1504821

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504821
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

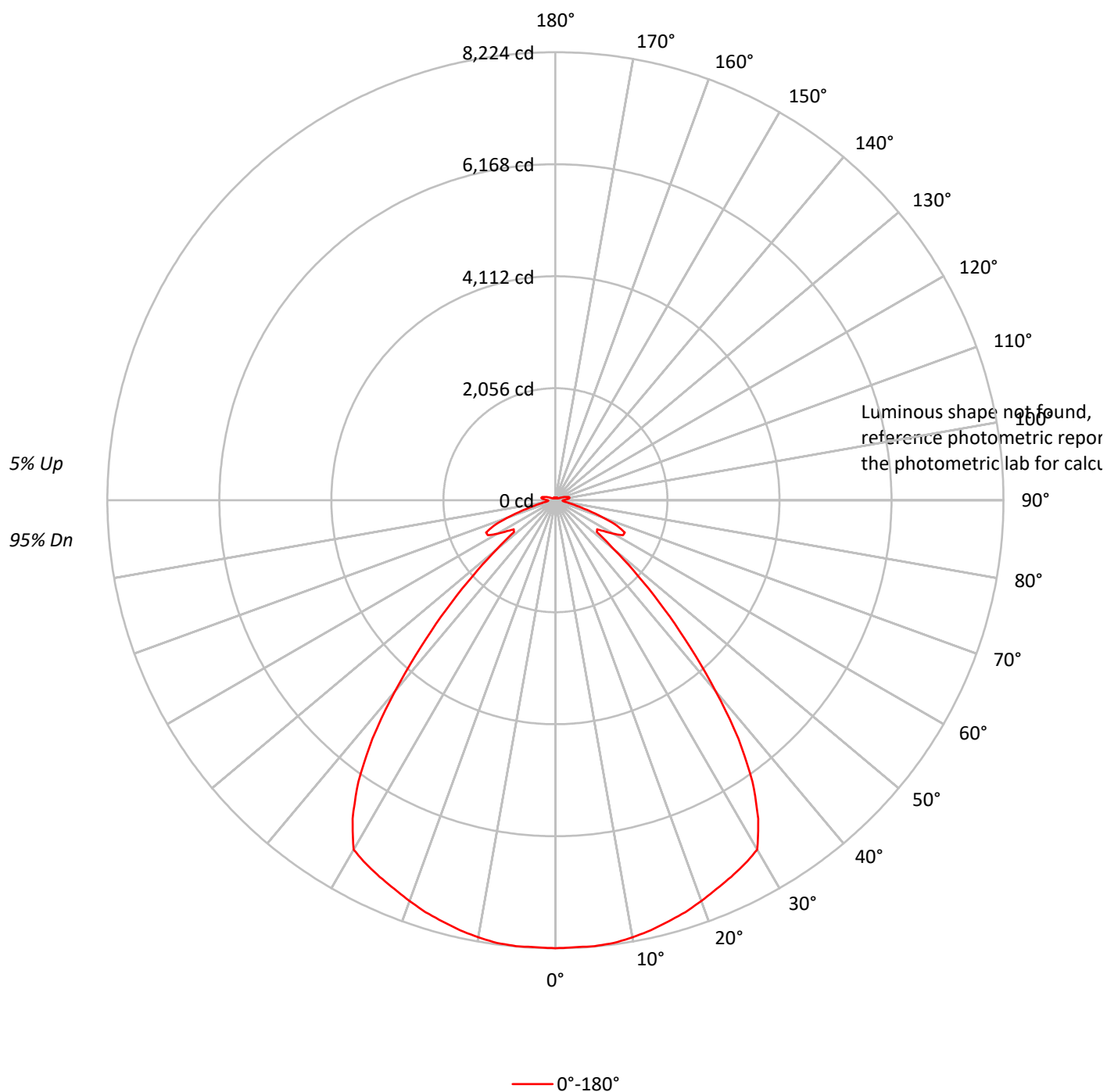
Lumens per Lamp: N/A
Luminaire Lumens: 16265.2 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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: P1504821

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

Luminous Intensity Polar Plot





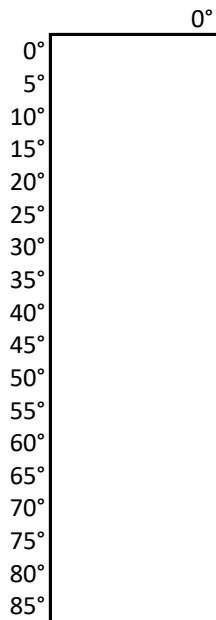
TEST NUMBER: P1504821

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

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	0			
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95			
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86	84			
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76	74			
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67	65			
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58			
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52			
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47			
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39			
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35			
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504821

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.1	4.8
10°-20°	2263.7	13.9
20°-30°	3523.5	21.7
30°-40°	3851.3	23.7
40°-50°	2196.5	13.5
50°-60°	954.6	5.9
60°-70°	1269.1	7.8
70°-80°	507.0	3.1
80°-90°	158.8	1.0
90°-100°	229.0	1.4
100°-110°	239.4	1.5
110°-120°	118.1	0.7
120°-130°	55.3	0.3
130°-140°	43.4	0.3
140°-150°	33.9	0.2
150°-160°	22.8	0.1
160°-170°	13.0	0.1
170°-180°	3.7	0.0
0°-30°	6569.3	40.4
0°-40°	10420.6	64.1
0°-60°	13571.8	83.4
0°-90°	15506.6	95.3
90°-120°	586.5	3.6
90°-150°	719.0	4.4
90°-180°	759.0	4.7
0°-180°	16265.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8224	
5°	8217	782
15°	8006	2264
25°	7628	3523
35°	6305	3851
45°	2824	2197
55°	933	955
65°	1404	1269
75°	426	507
85°	132	121
90°	144	82
95°	213	185
105°	231	239
115°	115	118
125°	59	55
135°	56	43
145°	54	34
155°	49	23
165°	46	13
175°	39	4
180°	40	

TEST NUMBER: P1504821

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8224.2
2.5°	8212.0
5°	8217.1
7.5°	8196.8
10°	8145.9
12.5°	8085.9
15°	8005.6
17.5°	7928.3
20°	7829.6
22.5°	7724.8
25°	7628.2
27.5°	7526.5
30°	7406.5
32.5°	6928.5
35°	6305.0
37.5°	5516.7
40°	4579.0
42.5°	3652.4
45°	2824.5
47.5°	2054.5
50°	1396.5
52.5°	959.1
55°	932.7
57.5°	1052.7
60°	1229.7
62.5°	1397.5
65°	1403.6
67.5°	1231.7
70°	947.9
72.5°	648.9
75°	426.2
77.5°	281.7
80°	194.3
82.5°	149.5
85°	132.2
87.5°	131.2
90°	144.4
92.5°	174.9
95°	212.6
97.5°	248.2
100°	264.4
102.5°	256.3
105°	230.9
107.5°	199.4
110°	169.9

TEST NUMBER: P1504821

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.4
115°	114.9
117.5°	93.6
120°	77.3
122.5°	66.1
125°	59.0
127.5°	54.9
130°	53.9
132.5°	54.9
135°	55.9
137.5°	58.0
140°	57.0
142.5°	55.9
145°	53.9
147.5°	51.9
150°	49.8
152.5°	49.8
155°	48.8
157.5°	48.8
160°	48.8
162.5°	47.8
165°	45.8
167.5°	43.7
170°	40.7
172.5°	38.6
175°	38.6
177.5°	39.7
180°	39.7

(END OF REPORT)