

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: P1504812

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504812
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 (3500K_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

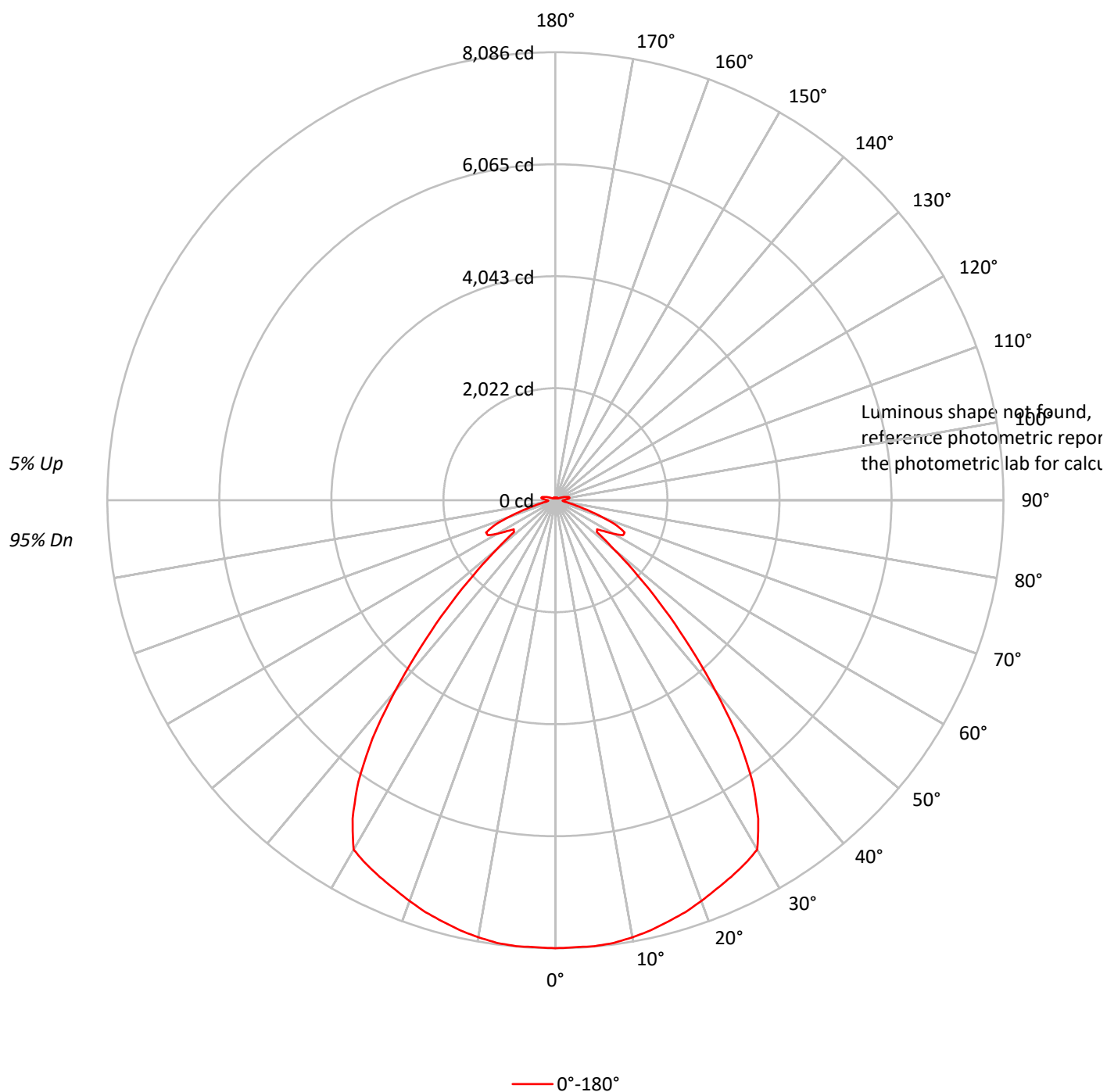
Lumens per Lamp: N/A
Luminaire Lumens: 15991.8 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





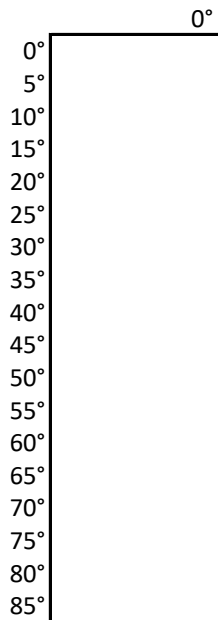
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.0	4.8
10°-20°	2225.7	13.9
20°-30°	3464.3	21.7
30°-40°	3786.6	23.7
40°-50°	2159.6	13.5
50°-60°	938.6	5.9
60°-70°	1247.8	7.8
70°-80°	498.4	3.1
80°-90°	156.1	1.0
90°-100°	225.1	1.4
100°-110°	235.4	1.5
110°-120°	116.1	0.7
120°-130°	54.4	0.3
130°-140°	42.6	0.3
140°-150°	33.3	0.2
150°-160°	22.4	0.1
160°-170°	12.8	0.1
170°-180°	3.7	0.0
0°-30°	6458.9	40.4
0°-40°	10245.5	64.1
0°-60°	13343.7	83.4
0°-90°	15246.0	95.3
90°-120°	576.6	3.6
90°-150°	706.9	4.4
90°-180°	746.0	4.7
0°-180°	15991.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8086	
5°	8079	769
15°	7871	2226
25°	7500	3464
35°	6199	3787
45°	2777	2160
55°	917	939
65°	1380	1248
75°	419	498
85°	130	119
90°	142	80
95°	209	182
105°	227	235
115°	113	116
125°	58	54
135°	55	43
145°	53	33
155°	48	22
165°	45	13
175°	38	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8086
2.5°	8074
5°	8079
7.5°	8059
10°	8009
12.5°	7950
15°	7871
17.5°	7795
20°	7698
22.5°	7595
25°	7500
27.5°	7400
30°	7282
32.5°	6812
35°	6199
37.5°	5424
40°	4502
42.5°	3591
45°	2777
47.5°	2020
50°	1373
52.5°	943
55°	917
57.5°	1035
60°	1209
62.5°	1374
65°	1380
67.5°	1211
70°	932
72.5°	638
75°	419
77.5°	277
80°	191
82.5°	147
85°	130
87.5°	129
90°	142
92.5°	172
95°	209
97.5°	244
100°	260
102.5°	252
105°	227
107.5°	196
110°	167

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139
115°	113
117.5°	92
120°	76
122.5°	65
125°	58
127.5°	54
130°	53
132.5°	54
135°	55
137.5°	57
140°	56
142.5°	55
145°	53
147.5°	51
150°	49
152.5°	49
155°	48
157.5°	48
160°	48
162.5°	47
165°	45
167.5°	43
170°	40
172.5°	38
175°	38
177.5°	39
180°	39

(END OF REPORT)