

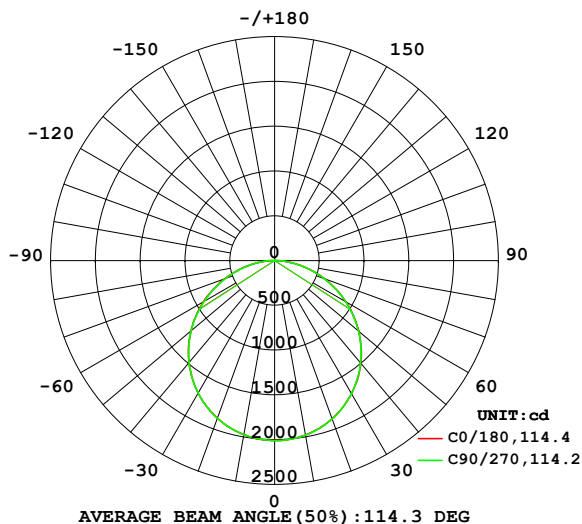
EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

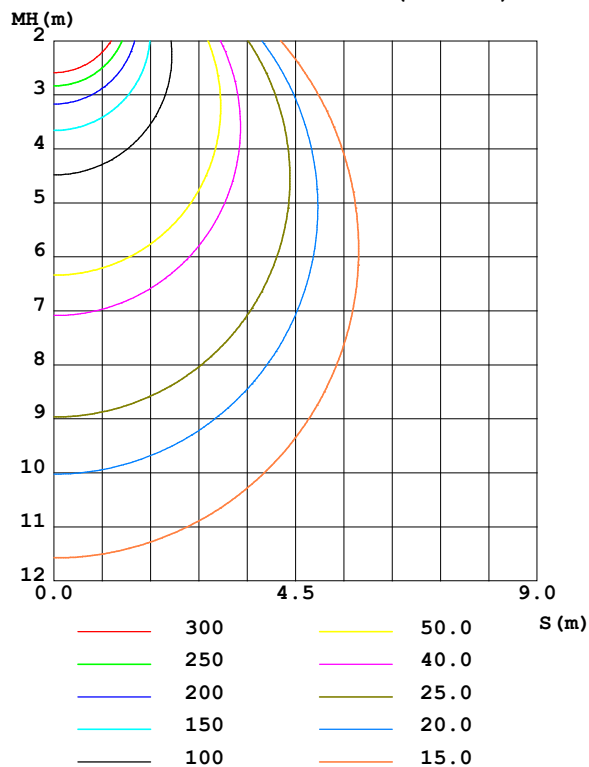
Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.13 lm/W
MODEL		I _{max} (cd)	2011	S/MH(C0/180)		1.26
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)		1.27
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5919.9	η UP,DN(C0-180)		0.0,50.1
NOMINAL FLUX(lm)	5919.9	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM		1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX		1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1978	1982	1979	1977	1974	1972	1973	1976	0- 10	190.3	190.3	3.21,3.21
20	1879	1887	1881	1875	1873	1873	1874	1875	10- 20	546.2	736.5	12.4,12.4
30	1718	1728	1717	1710	1709	1711	1710	1710	20- 30	831.1	1568	26.5,26.5
40	1497	1507	1494	1490	1489	1493	1488	1487	30- 40	1007	2575	43.5,43.5
50	1226	1232	1224	1220	1221	1224	1217	1217	40- 50	1051	3626	61.3,61.3
60	918.9	922.0	916.2	913.5	915.7	916.2	909.2	910.2	50- 60	958.1	4584	77.4,77.4
70	592.2	591.8	589.0	587.4	590.5	589.5	583.0	585.0	60- 70	744.5	5329	90,90
80	272.3	270.6	267.9	269.7	272.6	271.5	265.0	268.1	70- 80	450.5	5779	97.6,97.6
90	11.17	7.408	3.503	7.987	11.74	7.786	2.729	7.464	80- 90	138.7	5918	100,100
100	0.1540	0.2325	0.3843	0.1528	0	0	0	0	90-100	0.6616	5919	100,100
110	0.1540	0.2325	0.3843	0.1528	0	0	0.2378	0	100-110	0.1403	5919	100,100
120	0.1540	0.2325	0.3843	0.1528	0	0	0.2941	0	110-120	0.1476	5919	100,100
130	0.1540	0.2325	0.3843	0.1528	0.1708	0	0.3505	0.1512	120-130	0.1491	5919	100,100
140	0.1540	0.2325	0.3843	0.1528	0.2530	0.0775	0.4451	0.2306	130-140	0.1657	5919	100,100
150	0.3088	0.2349	0.3843	0.1528	0.6909	0.7711	0.7185	0.6991	140-150	0.2047	5919	100,100
160	0.5223	0.4659	0.4159	0.1528	0.8252	0.8631	0.7686	0.7232	150-160	0.2518	5920	100,100
170	0.7469	0.6958	0.7684	0.6284	0.8820	0.9226	0.8474	0.7473	160-170	0.1903	5920	100,100
180	0.9242	0.6976	0.7686	0.6878	0.8471	0.9301	0.6917	0.7642	170-180	0.0760	5920	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2026-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2450]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz

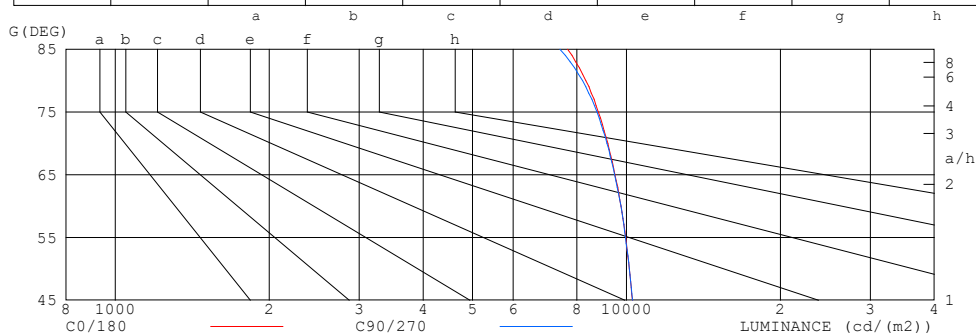
Lamp Flux:5919.9x1 lm

NAME: ASD-BLP-24D50-RGBW-2P

MFR.: ASD Lighting Corp

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	7669	7406
80	8328	8208
75	8806	8752
70	9194	9163
65	9498	9480
60	9759	9749
55	9963	9951
50	10130	10128
45	10269	10274

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

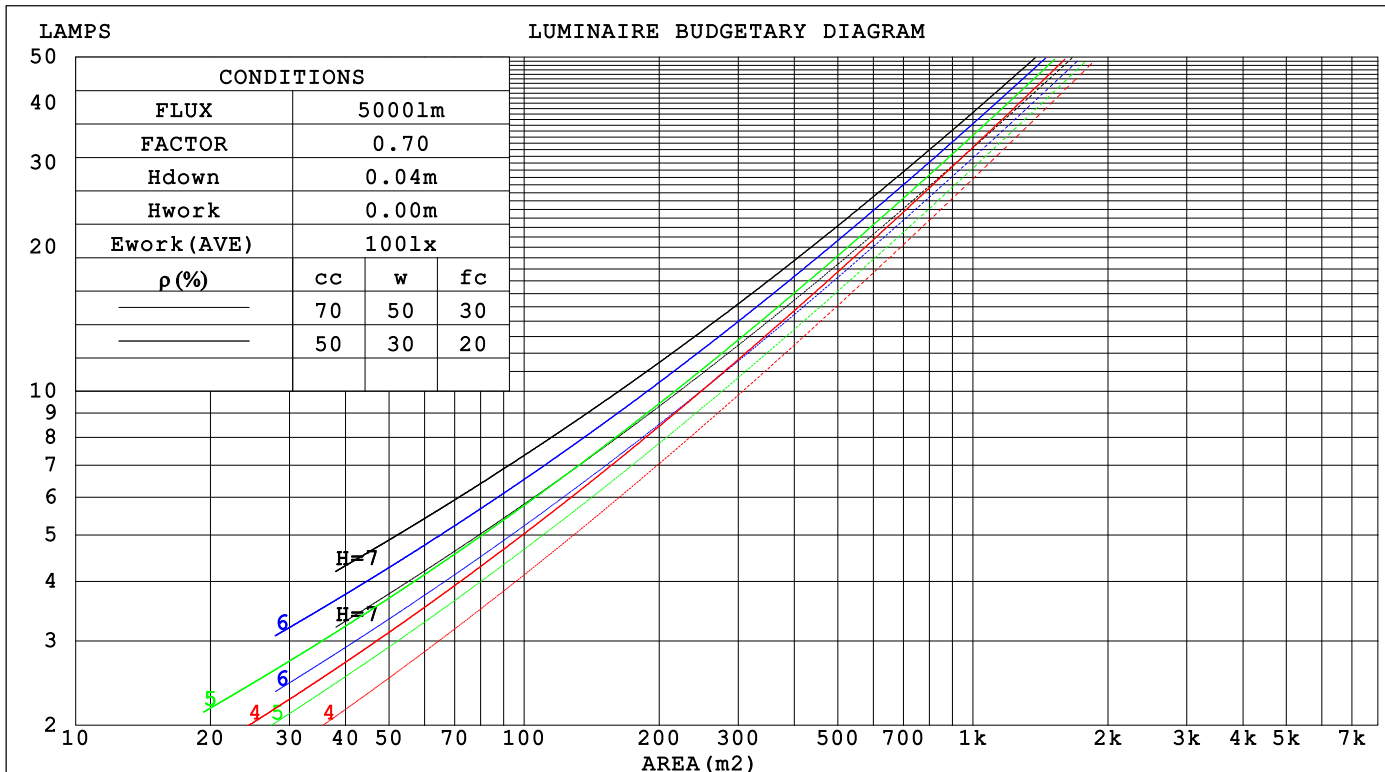
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00														
1.0	1.03	.99	.95	1.01	.97	.93	.97	.94	.90	.93	.90	.88	.89	.87	.85	.83														
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.69														
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.58														
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37														
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32														
8.0	.46	.37	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29														
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26														
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.37	.30	.25	.36	.30	.25	.23														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz											
Lamp Flux:5919.9x1 lm											
NAME: ASD-BLP-24D50-RGBW-2P											
MFR.: ASD Lighting Corp											

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.319	.181	.057	.311	.178	.056	.298	.171	.055	.286	.165	.053	.275	.159	.051	
2.0	.298	.163	.050	.291	.160	.049	.280	.155	.048	.269	.151	.047	.259	.146	.046	
3.0	.274	.146	.044	.269	.144	.043	.258	.140	.043	.249	.136	.042	.240	.133	.041	
4.0	.252	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.121	.037	
5.0	.233	.119	.034	.229	.117	.034	.220	.115	.034	.213	.112	.033	.206	.110	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.030	.198	.103	.030	.191	.101	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.184	.095	.028	.179	.093	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.168	.086	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.115	.074	.142	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.101	.058	.136	.088	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.083	.039	.123	.072	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.025	.077	.043	.018	.045	.025	.011	.015	.008	.004	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	64	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

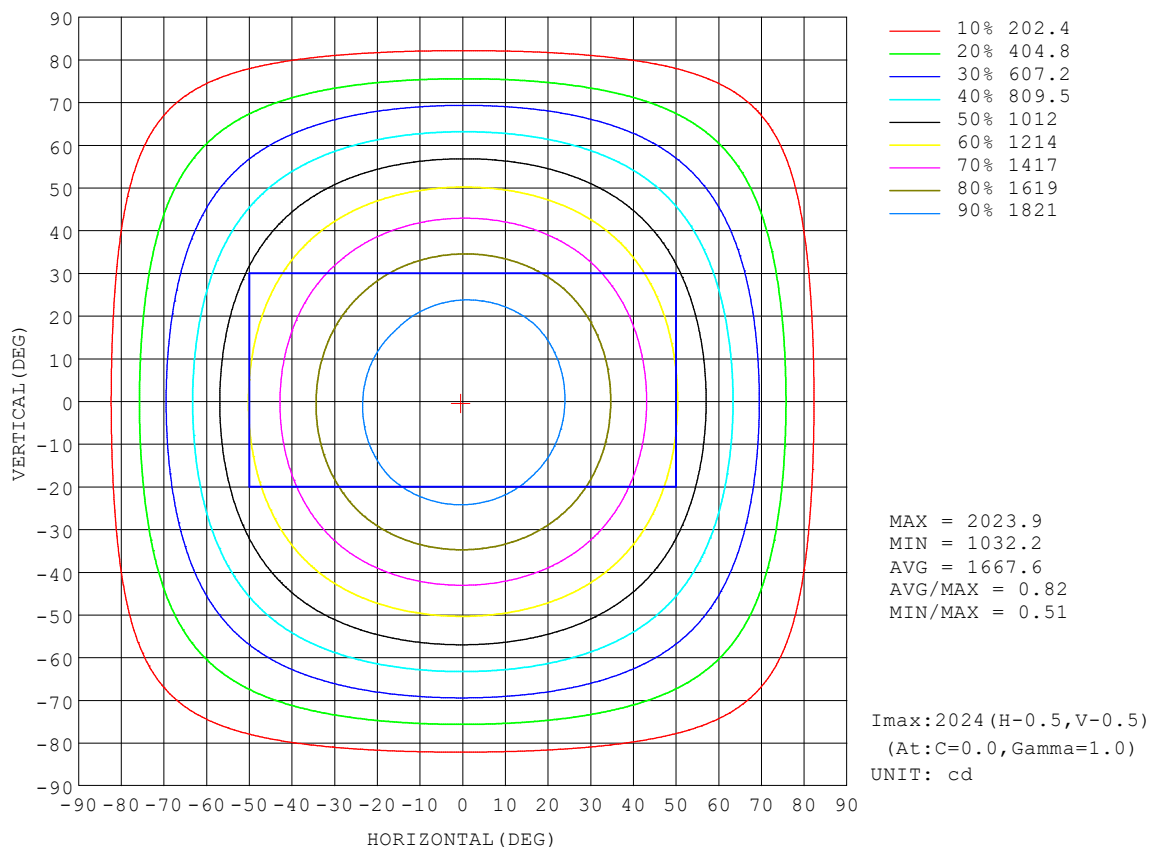
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2026-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.2450]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		



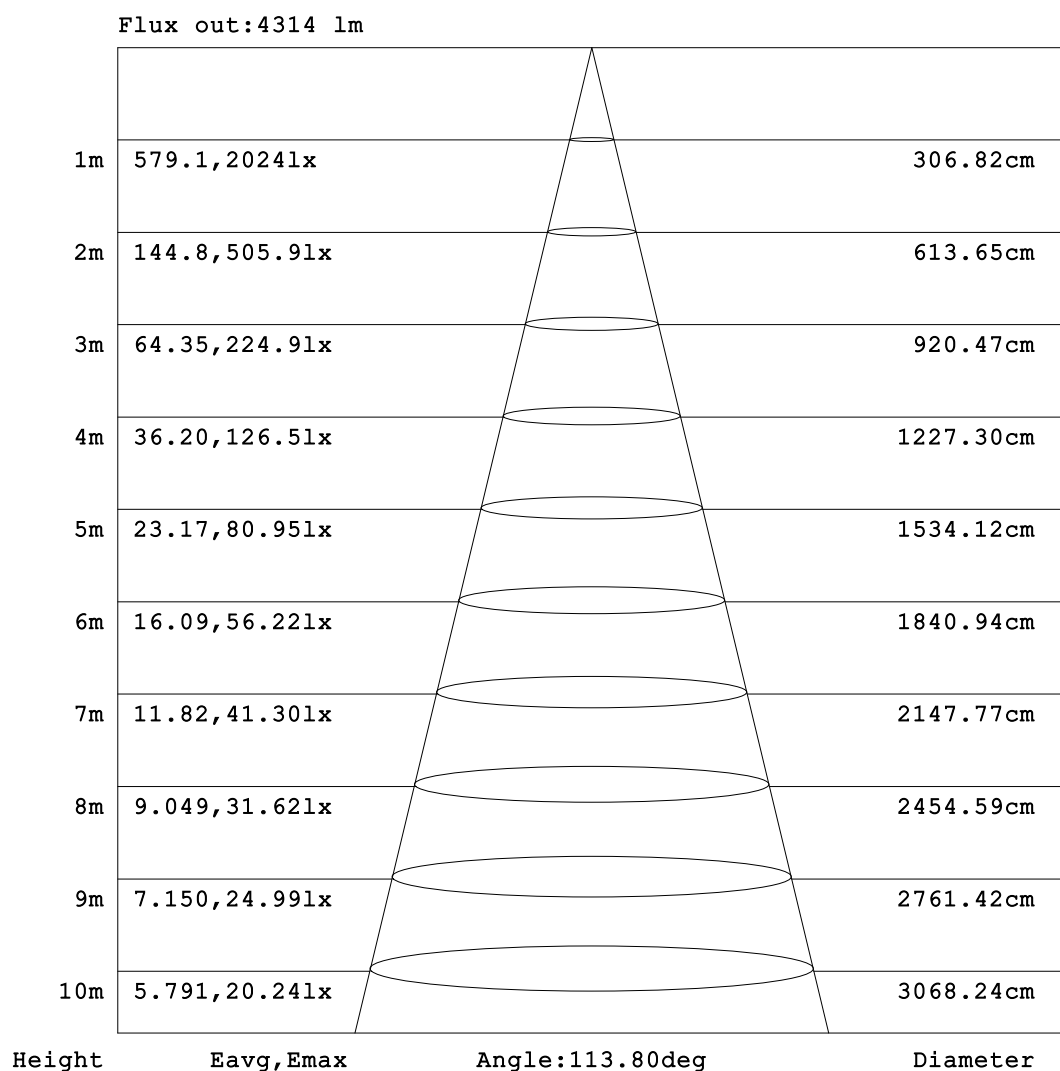
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI Figure

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

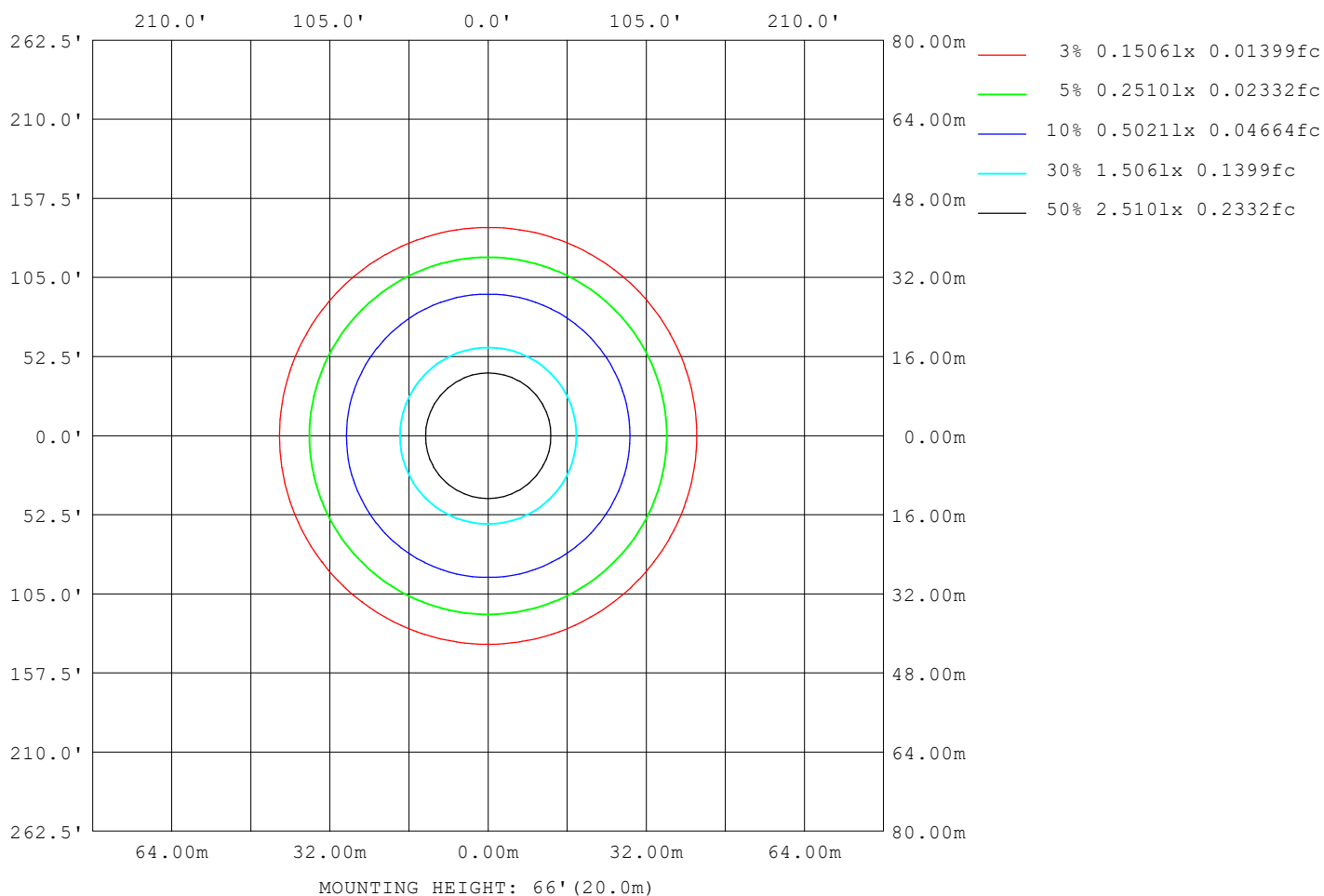
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2026-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2450]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2026-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity:65.0%
 Test Distance:26.000m [K=1.2450]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		

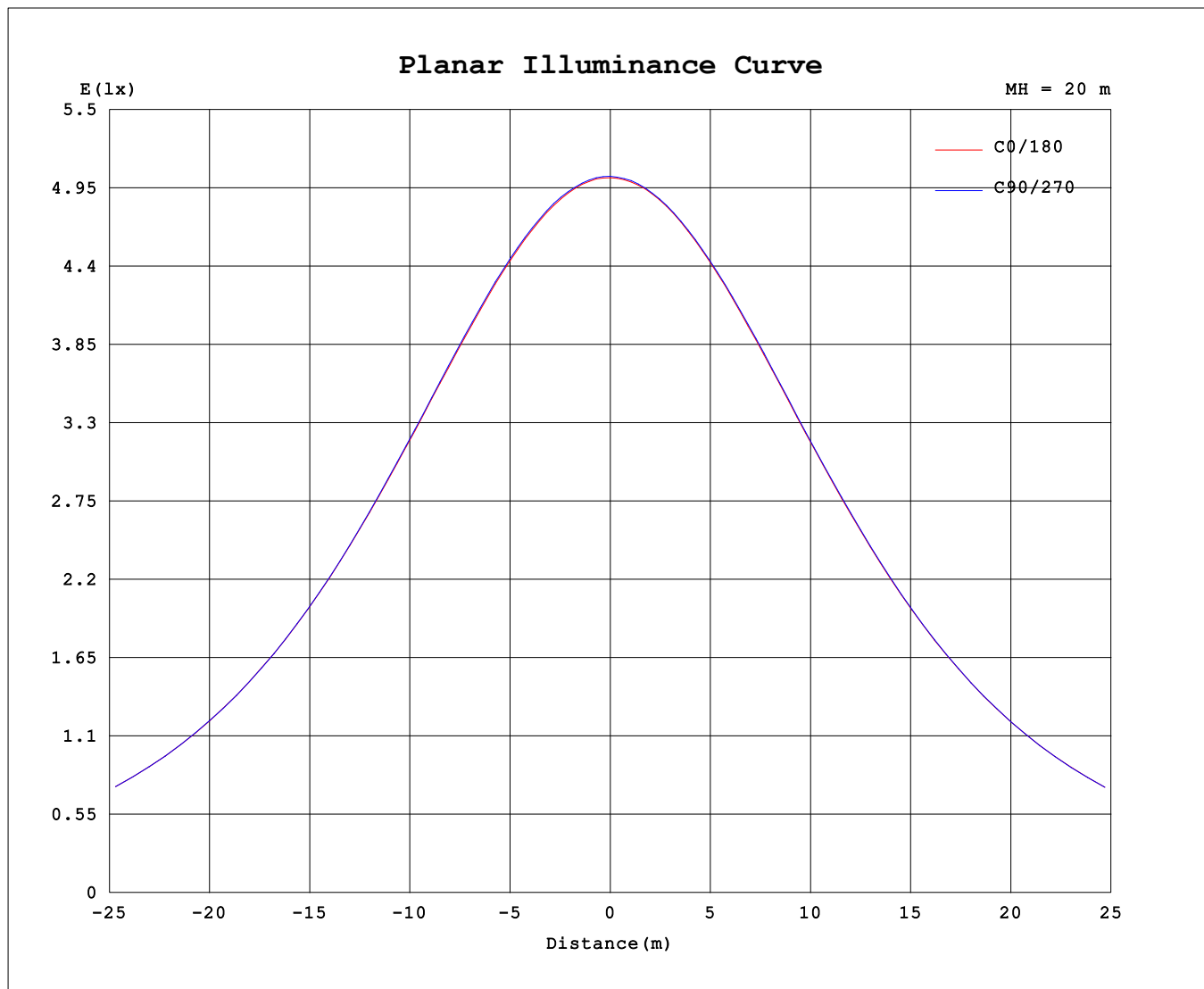
AvgL	cd/m2
L_0~180 (65) av	9495
L_0~180 (75) av	8802
L_0~180 (85) av	7697
L_90~270 (65) av	9432
L_90~270 (75) av	8693
L_90~270 (85) av	7354
L_45 (65) av	9466
L_45 (75) av	8751
L_45 (85) av	7523

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators: DAMIN
 Test Date: 2026-08-26

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.464
 Humidity: 65.0%
 Test Distance: 26.000m [K=1.2450]
 Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.90V I:0.4034A P:47.692W PF:0.9860 Freq:60.01Hz		
Lamp Flux:5919.9x1 lm		
NAME: ASD-BLP-24D50-RGBW-2P		
MFR.: ASD Lighting Corp		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315										
0	2010	2010	2010	2010	2010	2010	2010	2010										
5	2003	2004	2003	2002	2001	1999	2000	2001										
10	1978	1982	1979	1977	1974	1972	1973	1976										
15	1937	1944	1939	1934	1931	1931	1931	1933										
20	1879	1887	1881	1875	1873	1873	1874	1875										
25	1806	1815	1807	1800	1798	1799	1798	1801										
30	1718	1728	1717	1710	1709	1711	1710	1710										
35	1613	1624	1612	1606	1606	1609	1606	1605										
40	1497	1507	1494	1490	1489	1493	1488	1487										
45	1367	1376	1365	1359	1360	1364	1358	1357										
50	1226	1232	1224	1220	1221	1224	1217	1217										
55	1076	1080	1073	1070	1072	1074	1066	1066										
60	919	922	916	914	916	916	909	910										
65	756	758	753	751	754	753	747	748										
70	592	592	589	587	590	590	583	585										
75	429	428	426	426	428	427	421	423										
80	272	271	268	270	273	272	265	268										
85	126	123	121	123	127	124	120	123										
90	11.2	7.41	3.50	7.99	11.7	7.79	2.73	7.46										
95	0.26	0.31	0.39	0.31	0.00	0.00	0.00	0.00										
100	0.15	0.23	0.38	0.15	0.00	0.00	0.00	0.00										
105	0.15	0.23	0.38	0.15	0.00	0.00	0.17	0.00										
110	0.15	0.23	0.38	0.15	0.00	0.00	0.24	0.00										
115	0.15	0.23	0.38	0.15	0.00	0.00	0.27	0.00										
120	0.15	0.23	0.38	0.15	0.00	0.00	0.29	0.00										
125	0.15	0.23	0.38	0.15	0.00	0.00	0.32	0.07										
130	0.15	0.23	0.38	0.15	0.17	0.00	0.35	0.15										
135	0.15	0.23	0.38	0.15	0.21	0.08	0.38	0.08										
140	0.15	0.23	0.38	0.15	0.25	0.08	0.45	0.23										
145	0.15	0.23	0.38	0.15	0.29	0.08	0.69	0.54										
150	0.31	0.23	0.38	0.15	0.69	0.77	0.72	0.70										
155	0.42	0.42	0.38	0.15	0.74	0.82	0.74	0.71										
160	0.52	0.47	0.42	0.15	0.83	0.86	0.77	0.72										
165	0.64	0.51	0.55	0.38	0.91	0.91	0.85	0.74										
170	0.75	0.70	0.77	0.63	0.88	0.92	0.85	0.75										
175	0.86	0.70	0.79	0.67	0.86	0.93	0.85	0.76										
180	0.92	0.70	0.77	0.69	0.85	0.93	0.69	0.76										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2026-08-26

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.464
Humidity:65.0%
Test Distance:26.000m [K=1.2450]
Remarks: