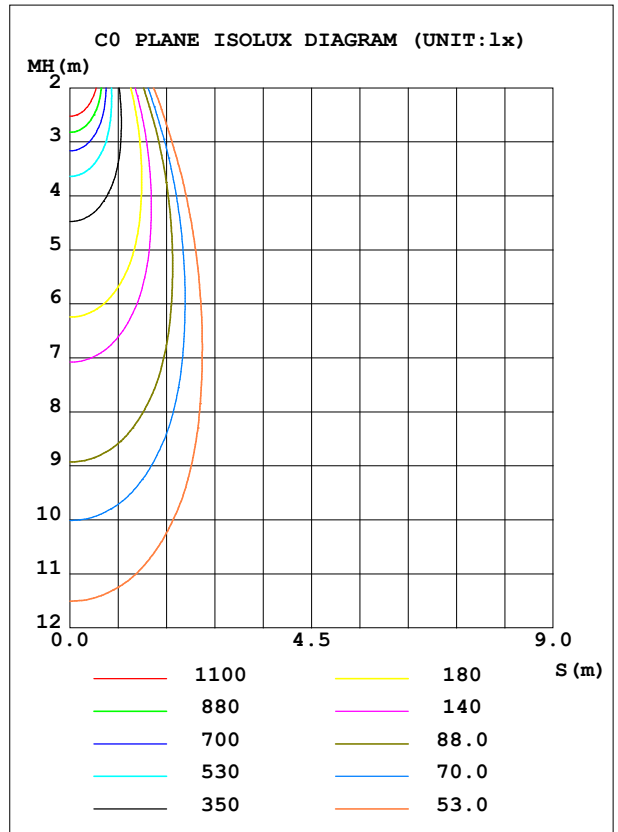
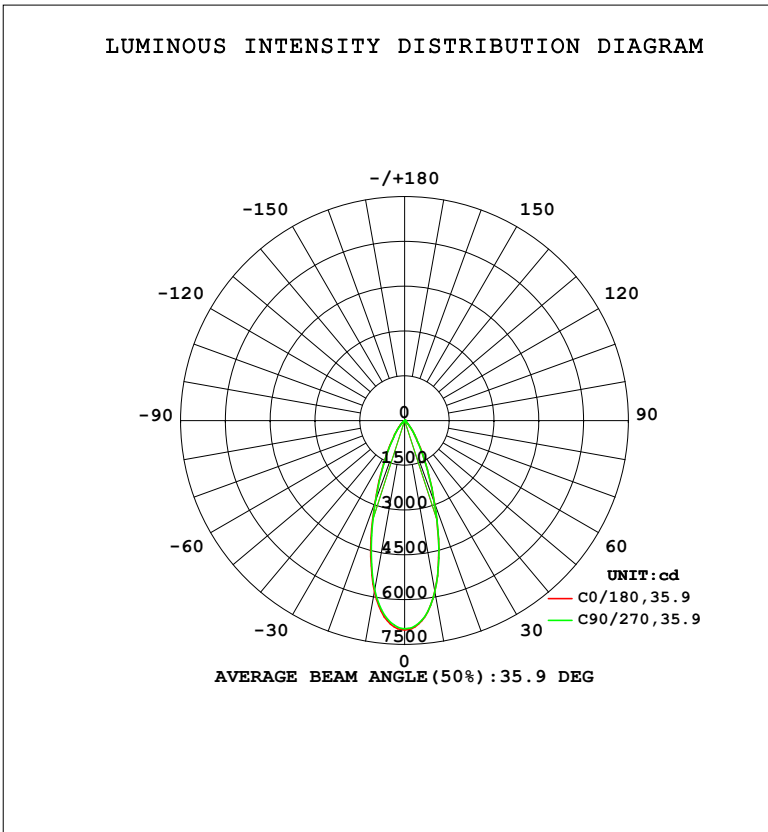


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax (cd)	7015	S/MH (C0/180)	0.59
NOMINAL POWER (W)	45	LOR (%)	100.0	S/MH (C90/270)	0.58
RATED VOLTAGE (V)	120.0	TOTAL FLUX (lm)	3215.6	η UP, DN (C0-180)	0.0, 50.9
NOMINAL FLUX (lm)	3215.57	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

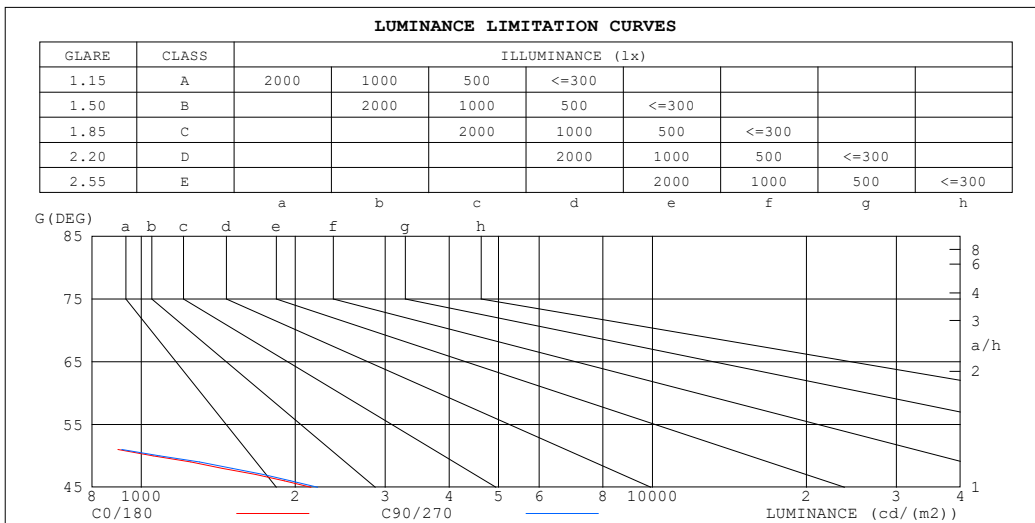
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	5814	5958	5831	5750	5826	5654	5768	5751	0- 10	610.3	610.3	19,19
20	2936	3075	2943	2871	2910	2741	2855	2919	10- 20	1194	1804	56.1,56.1
30	1051	1091	1047	1042	1052	985.2	1010	1037	20- 30	830.5	2635	81.9,81.9
40	333.3	358.8	341.6	331.5	337.0	306.4	327.1	328.0	30- 40	382.7	3018	93.8,93.8
50	75.28	78.54	77.59	77.69	80.16	70.99	70.82	72.61	40- 50	137.6	3155	98.1,98.1
60	22.51	22.83	22.80	22.78	22.66	21.94	21.44	22.11	50- 60	35.35	3191	99.2,99.2
70	12.23	12.79	13.26	12.89	12.33	12.29	12.26	12.25	60- 70	16.64	3207	99.7,99.7
80	1.709	1.965	2.330	2.293	2.120	2.135	2.191	2.017	70- 80	7.502	3215	100,100
90	0.0995	0.0932	0.1301	0.0921	0.0843	0.0802	0.1261	0.1350	80- 90	0.7756	3216	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	54	66
80	89	121
75	200	290
70	322	349
65	351	362
60	405	410
55	575	583
50	1054	1086
45	2147	2213

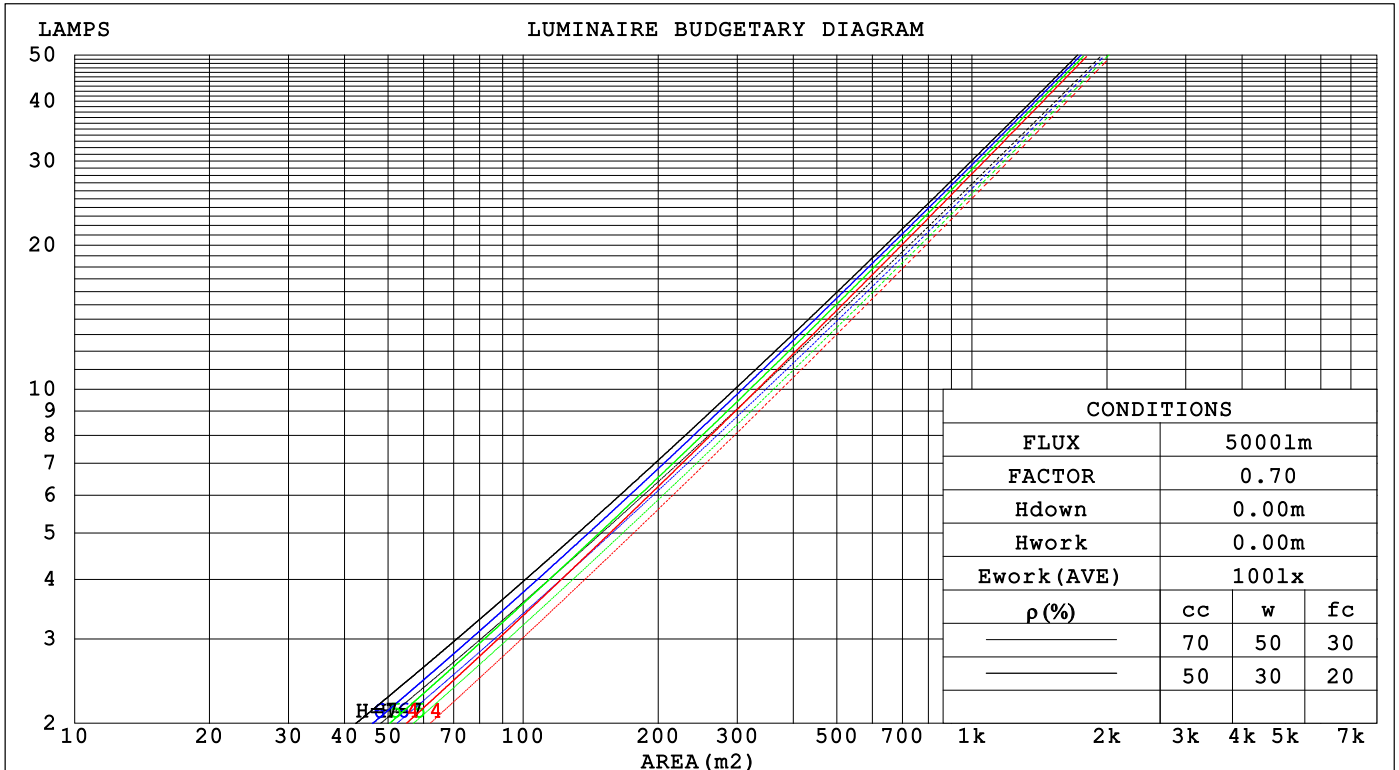
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.00
1.0	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.01	.98	1.03	.90	.97	.90	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.89	.92	.90	.87	.90	.88	.86	.84
4.0	.93	.88	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80
5.0	.88	.83	.79	.87	.83	.79	.86	.82	.78	.84	.81	.78	.83	.80	.77	.76
6.0	.84	.79	.75	.83	.78	.75	.82	.77	.74	.80	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.71	.79	.74	.71	.78	.74	.70	.77	.73	.70	.76	.72	.70	.68
8.0	.76	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.64	.72	.68	.64	.72	.67	.64	.71	.67	.64	.70	.66	.64	.62
10.0	.70	.65	.61	.69	.65	.61	.69	.64	.61	.68	.64	.61	.67	.64	.61	.60



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.163	.093	.029	.157	.089	.028	.144	.083	.026	.133	.076	.025	.122	.071	.023	
2.0	.155	.085	.026	.149	.082	.025	.139	.077	.024	.129	.072	.023	.120	.068	.021	
3.0	.146	.078	.023	.142	.076	.023	.133	.072	.022	.125	.068	.021	.117	.065	.020	
4.0	.139	.072	.021	.135	.070	.021	.127	.067	.020	.120	.064	.019	.113	.062	.019	
5.0	.131	.067	.019	.128	.066	.019	.121	.063	.019	.115	.061	.018	.110	.059	.018	
6.0	.125	.063	.018	.122	.062	.018	.116	.060	.017	.111	.058	.017	.106	.056	.017	
7.0	.119	.059	.017	.117	.058	.017	.112	.056	.016	.107	.055	.016	.102	.053	.016	
8.0	.114	.056	.016	.112	.055	.016	.107	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.109	.053	.015	.107	.052	.015	.103	.051	.014	.099	.050	.014	.096	.049	.014	
10.0	.105	.050	.014	.103	.050	.014	.099	.049	.014	.096	.048	.014	.093	.047	.013	

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.146	.135	.126	.100	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.041	.017	.015	.013	
3.0	.141	.113	.092	.121	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.075	.111	.085	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007	
6.0	.112	.077	.052	.097	.067	.045	.067	.047	.032	.039	.027	.019	.012	.009	.006	
7.0	.105	.069	.044	.091	.060	.038	.063	.042	.027	.036	.025	.016	.012	.008	.005	
8.0	.099	.063	.038	.086	.055	.033	.059	.038	.023	.034	.023	.014	.011	.007	.005	
9.0	.094	.058	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	5.1	5.9	5.3	6.1	6.2	5.2	6.0	5.4	6.1	6.3
3H	5.0	5.8	5.3	6.0	6.2	5.1	5.9	5.3	6.1	6.3
4H	5.0	5.7	5.2	5.9	6.1	5.1	5.8	5.3	6.0	6.2
6H	4.9	5.6	5.2	5.8	6.1	5.0	5.7	5.3	5.9	6.2
8H	4.8	5.5	5.1	5.8	6.0	5.0	5.6	5.3	5.9	6.1
12H	4.8	5.4	5.1	5.7	6.0	4.9	5.5	5.2	5.8	6.1
4H 2H	4.9	5.6	5.2	5.8	6.1	5.0	5.7	5.2	5.9	6.1
3H	4.9	5.5	5.2	5.8	6.0	4.9	5.6	5.3	5.8	6.1
4H	4.8	5.4	5.2	5.7	6.0	4.9	5.5	5.3	5.8	6.1
6H	4.7	5.2	5.1	5.6	5.9	4.9	5.4	5.2	5.7	6.0
8H	4.7	5.2	5.1	5.5	5.9	4.8	5.3	5.2	5.6	6.0
12H	4.6	5.1	5.0	5.4	5.8	4.8	5.2	5.2	5.6	6.0
8H 4H	4.7	5.2	5.1	5.5	5.9	4.8	5.3	5.2	5.6	6.0
6H	4.6	5.0	5.0	5.4	5.8	4.7	5.1	5.2	5.5	5.9
8H	4.6	4.9	5.0	5.3	5.8	4.7	5.0	5.1	5.4	5.9
12H	4.5	4.8	5.0	5.2	5.7	4.6	4.9	5.1	5.4	5.8
12H 4H	4.6	5.1	5.1	5.5	5.8	4.8	5.2	5.2	5.6	6.0
6H	4.6	4.9	5.0	5.3	5.8	4.7	5.0	5.1	5.4	5.9
8H	4.5	4.8	5.0	5.2	5.7	4.6	4.9	5.1	5.4	5.8

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 2.5 / - 6.6	+ 2.4 / - 6.3
1.5H	+ 4.3 / - 5.8	+ 4.2 / - 5.7
2.0H	+ 5.2 / - 3.9	+ 5.1 / - 3.6

CIE Pub.117, 3216 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.1)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

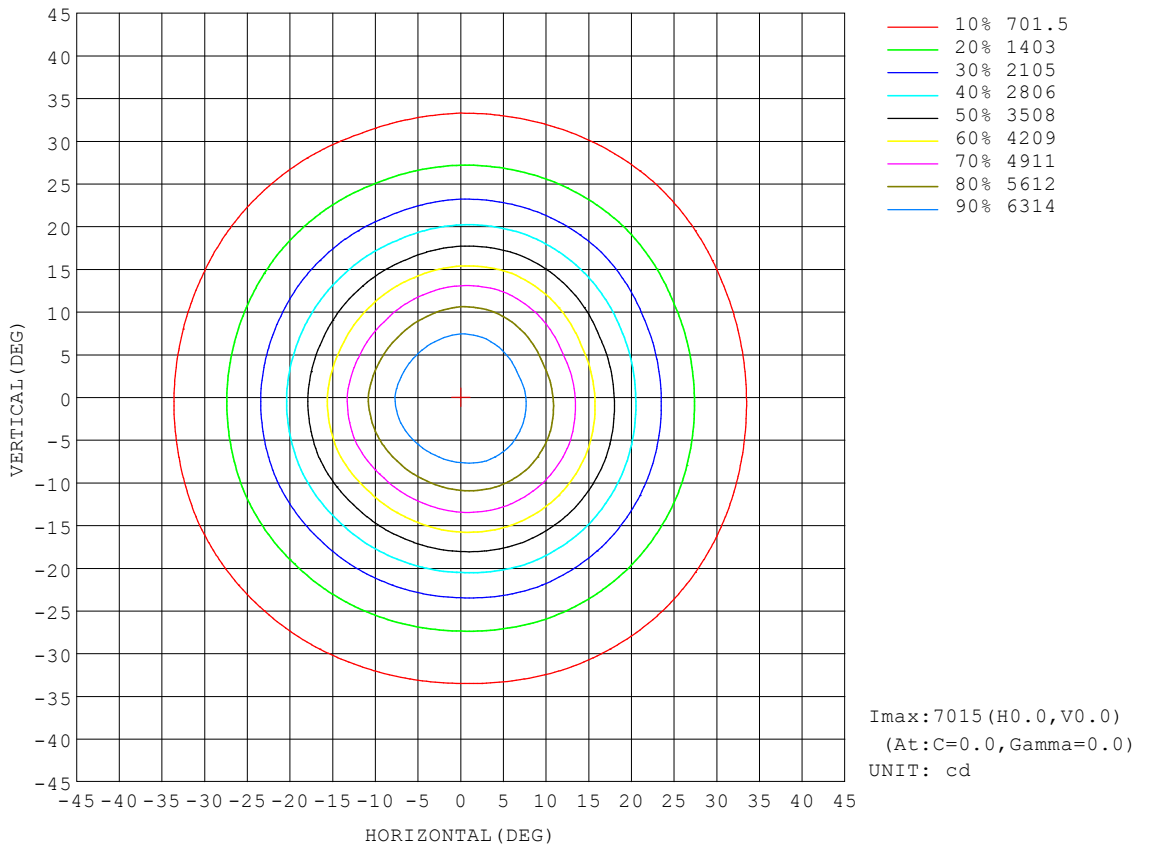
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	78	87	81	78	86	81	77	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	100	94	90	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	97	94	90
1.50	106	101	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	104	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

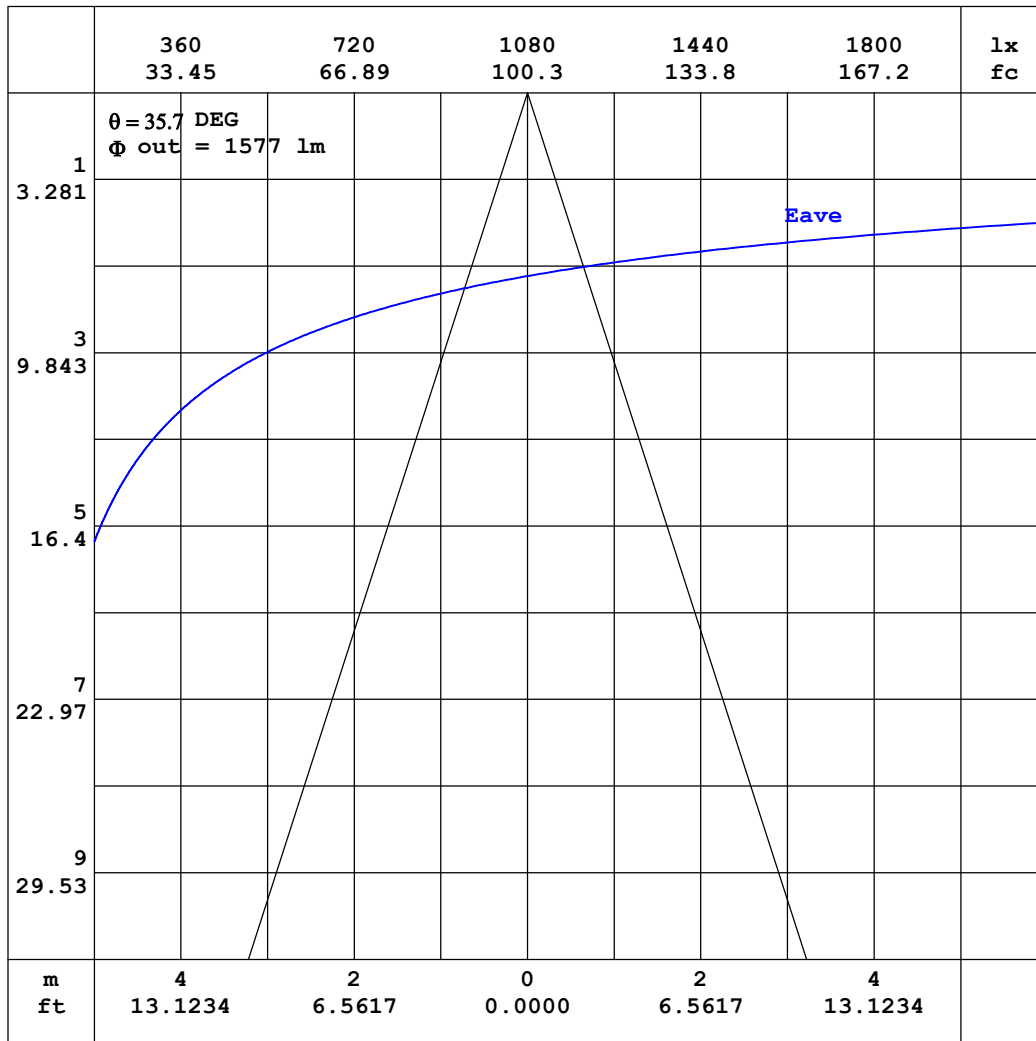


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



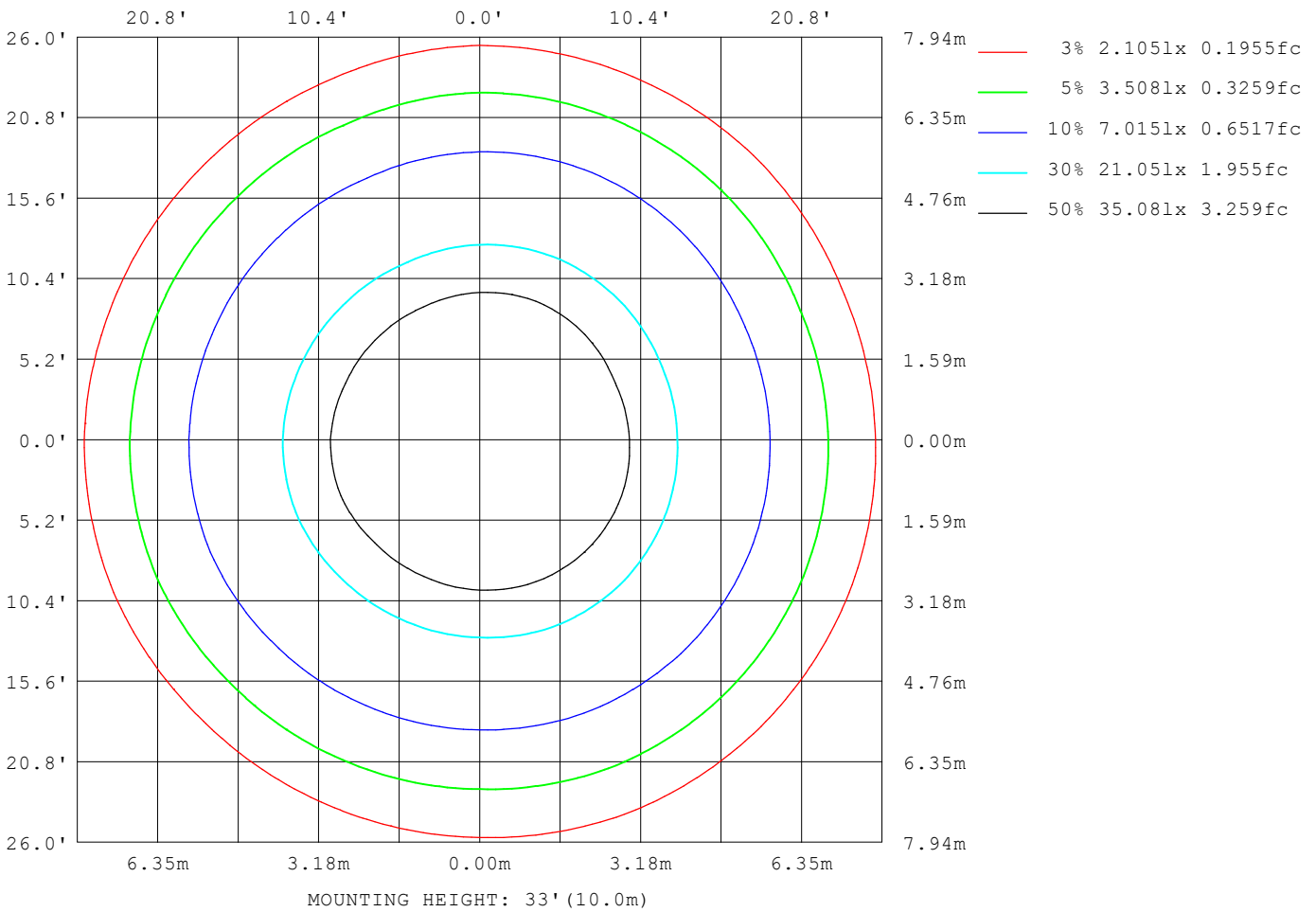
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

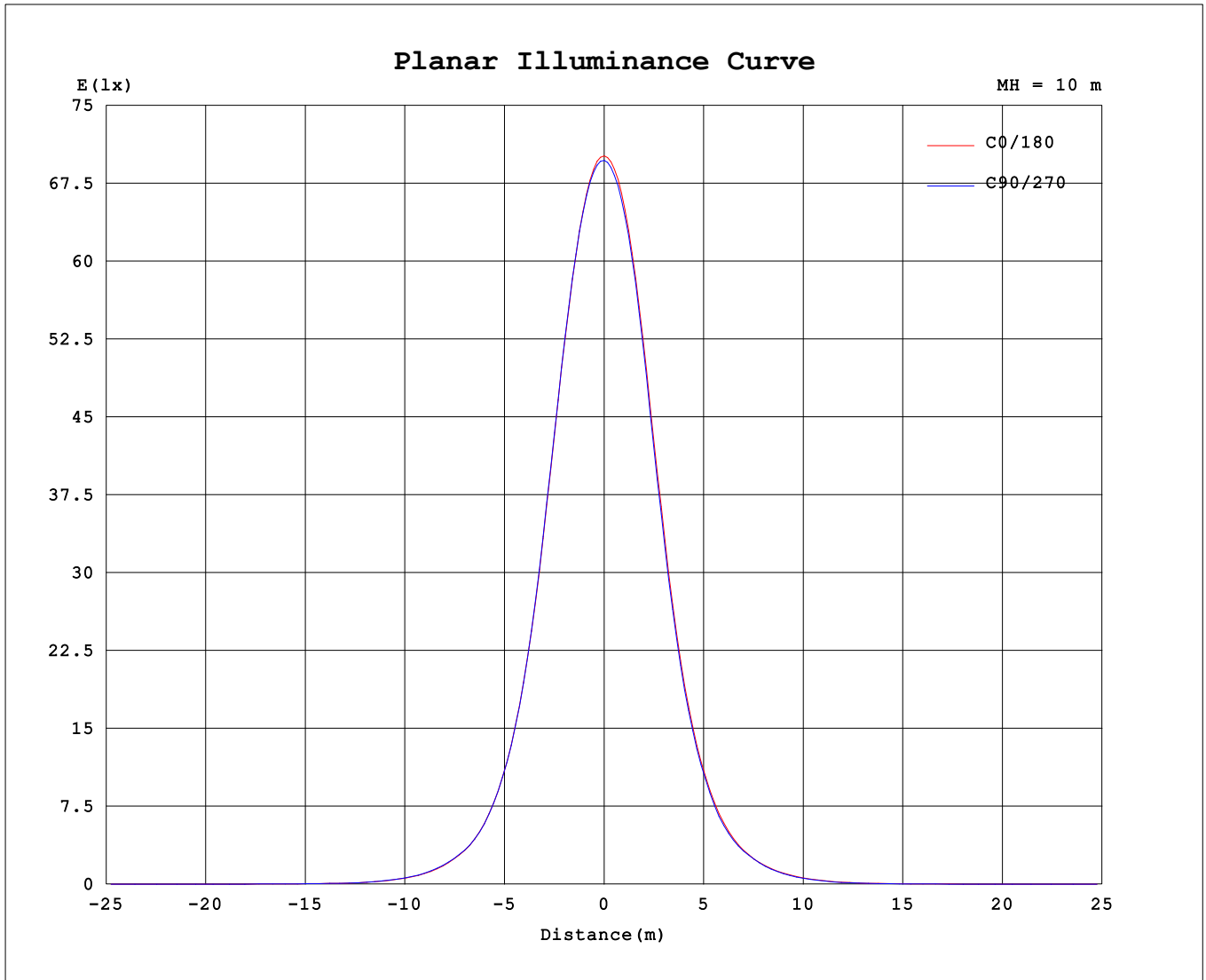
AvgL	cd/m2
L_0~180 (65) av	351
L_0~180 (75) av	218
L_0~180 (85) av	50
L_90~270 (65) av	352
L_90~270 (75) av	266
L_90~270 (85) av	62
L_45 (65) av	353
L_45 (75) av	250
L_45 (85) av	53

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:
 Test Date:2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3 °C
 Operators:
 Test Date: 2023-07-13

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.460
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.75V I:0.3421A P:40.418W PF:0.9866 Freq:59.98Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:3215.57x1 lm		
NAME: ASD-TCS-3D45AC-WH	TYPE:	WEIGHT:
SPEC.: 5000K 90	DIM.:	SERIAL No.:
MFR.: ASD LIGHTING CORP	SUR.:	Shielding Angle:

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	7015	6994	6982	6972	6969	6968	6969	6966	7015	6994	6982	6972	6969	6968	6969	6966			
5	6725	6736	6745	6739	6709	6685	6688	6704	6733	6684	6652	6649	6667	6675	6669	6655			
10	5814	5901	5958	5929	5831	5753	5750	5803	5826	5716	5654	5680	5768	5786	5751	5715			
15	4434	4551	4571	4544	4455	4337	4315	4424	4397	4252	4200	4212	4320	4409	4378	4315			
20	2936	3036	3075	3061	2943	2886	2871	2936	2910	2815	2741	2741	2855	2929	2919	2889			
25	1804	1856	1880	1871	1801	1780	1778	1818	1799	1733	1697	1688	1755	1793	1804	1761			
30	1051	1079	1091	1079	1047	1031	1042	1067	1052	1013	985	979	1010	1040	1037	1025			
35	594	614	626	626	601	593	593	610	602	574	557	559	586	584	587	576			
40	333	351	359	358	342	335	331	343	337	317	306	308	327	324	328	320			
45	169	177	181	181	174	173	172	178	175	164	156	156	165	162	164	161			
50	75.3	77.7	78.5	78.8	77.6	77.9	77.7	80.5	80.2	74.8	71.0	68.9	70.8	70.2	72.6	71.9			
55	36.7	37.3	37.1	37.5	37.2	37.3	37.1	37.8	36.8	35.8	35.5	34.4	34.2	34.1	35.2	35.3			
60	22.5	23.0	22.8	23.1	22.8	22.9	22.8	23.4	22.7	22.0	21.9	21.5	21.4	21.6	22.1	21.8			
65	16.5	16.7	16.9	17.0	17.0	16.9	16.9	16.8	16.4	16.2	16.2	16.0	16.0	16.2	16.3	16.3			
70	12.2	12.5	12.8	13.2	13.3	13.1	12.9	12.7	12.3	12.3	12.3	12.3	12.3	12.2	12.2	12.1			
75	5.75	6.17	7.23	8.32	8.34	8.35	7.78	7.11	6.76	6.57	6.97	7.13	6.96	7.01	6.77	5.76			
80	1.71	1.76	1.97	2.39	2.33	2.39	2.29	2.26	2.12	2.06	2.14	2.18	2.19	2.18	2.02	1.70			
85	0.52	0.54	0.56	0.62	0.64	0.58	0.53	0.49	0.44	0.40	0.43	0.48	0.56	0.53	0.53	0.49			
90	0.10	0.09	0.09	0.13	0.13	0.10	0.09	0.09	0.08	0.08	0.08	0.09	0.13	0.15	0.13	0.08			

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