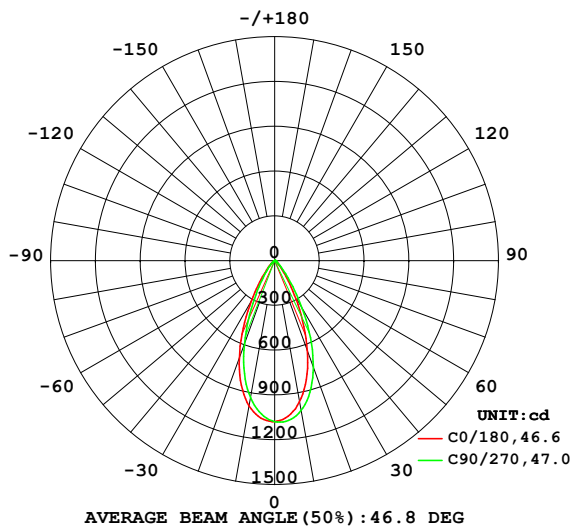


LUMINAIRE PHOTOMETRIC TEST REPORT

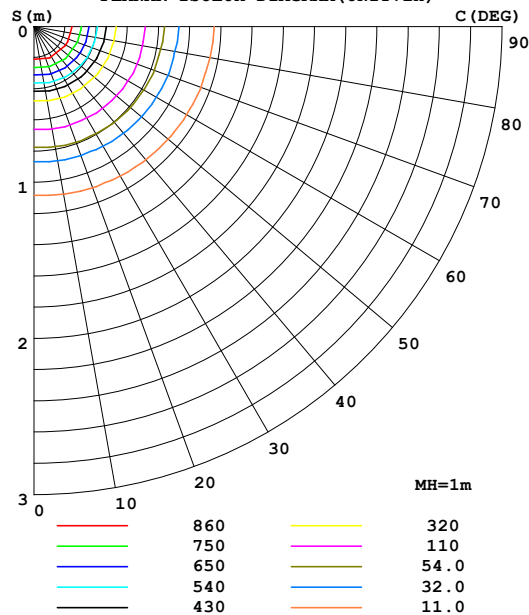
Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 77.64 lm/W
MODEL		I _{max} (cd)	1083	S/MH(C0/180)		0.75
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)		0.68
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	719.13	η UP,DN(C0-180)		0.0,53.9
NOMINAL FLUX(lm)	719.133	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,46.1
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE(V)	240.26	η down (%)	100.0	CIBSE SHR MAX		0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [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	960.8	1000.0	1020	1016	987.9	951.6	932.8	931.4	0- 10	98.03	98.03	13.6,13.6
20	643.0	714.7	759.1	754.4	695.2	626.9	595.0	593.1	10- 20	233.0	331.0	46,46
30	269.9	327.6	371.9	369.9	314.4	253.7	231.9	233.2	20- 30	216.6	547.6	76.1,76.1
40	79.05	96.74	113.8	114.4	92.76	72.12	66.72	68.71	30- 40	107.0	654.6	91,91
50	25.68	30.57	34.78	34.56	28.78	23.84	22.29	22.94	40- 50	39.22	693.8	96.5,96.5
60	9.783	11.71	13.06	12.58	10.75	9.223	8.501	8.652	50- 60	15.76	709.5	98.7,98.7
70	3.620	4.361	4.882	4.703	3.986	3.355	3.127	3.142	60- 70	6.630	716.2	99.6,99.6
80	1.052	1.393	1.595	1.518	1.211	0.9414	0.8745	0.8216	70- 80	2.464	718.6	99.9,99.9
90	0.0163	0.0135	0.0277	0.0158	0.0147	0.0177	0.0203	0.0167	80- 90	0.4959	719.1	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		

Conical surface Flux(90deg): 678.87 lm

%lum = 94.4%

%lamp = 94.4%

Conical surface Flux(120deg): 709.54 lm

%lum = 98.7%

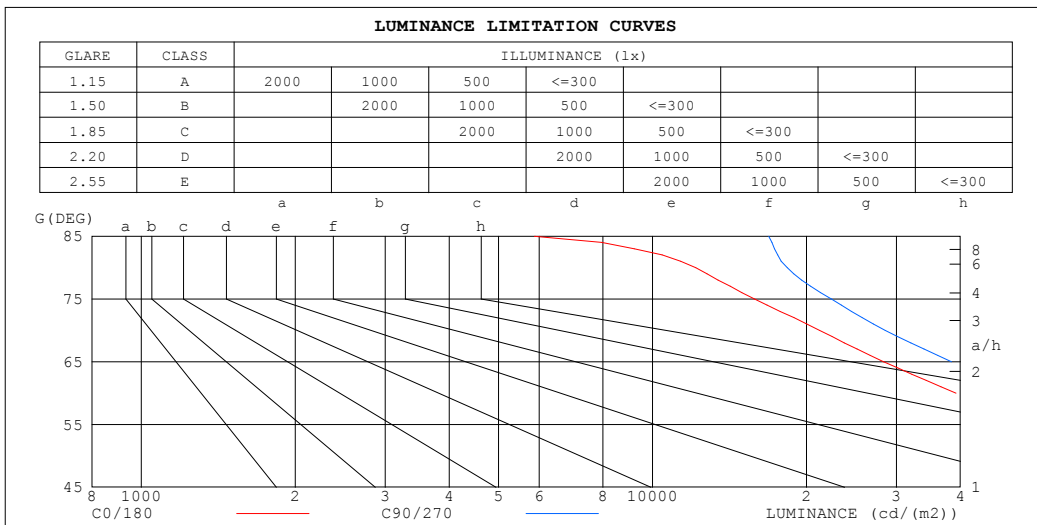
%lamp = 98.7%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5873	16877
80	12147	18349
75	15842	22372
70	21227	28507
65	28304	38424
60	39241	52153
55	54899	72984
50	80115	108050
45	124115	173145

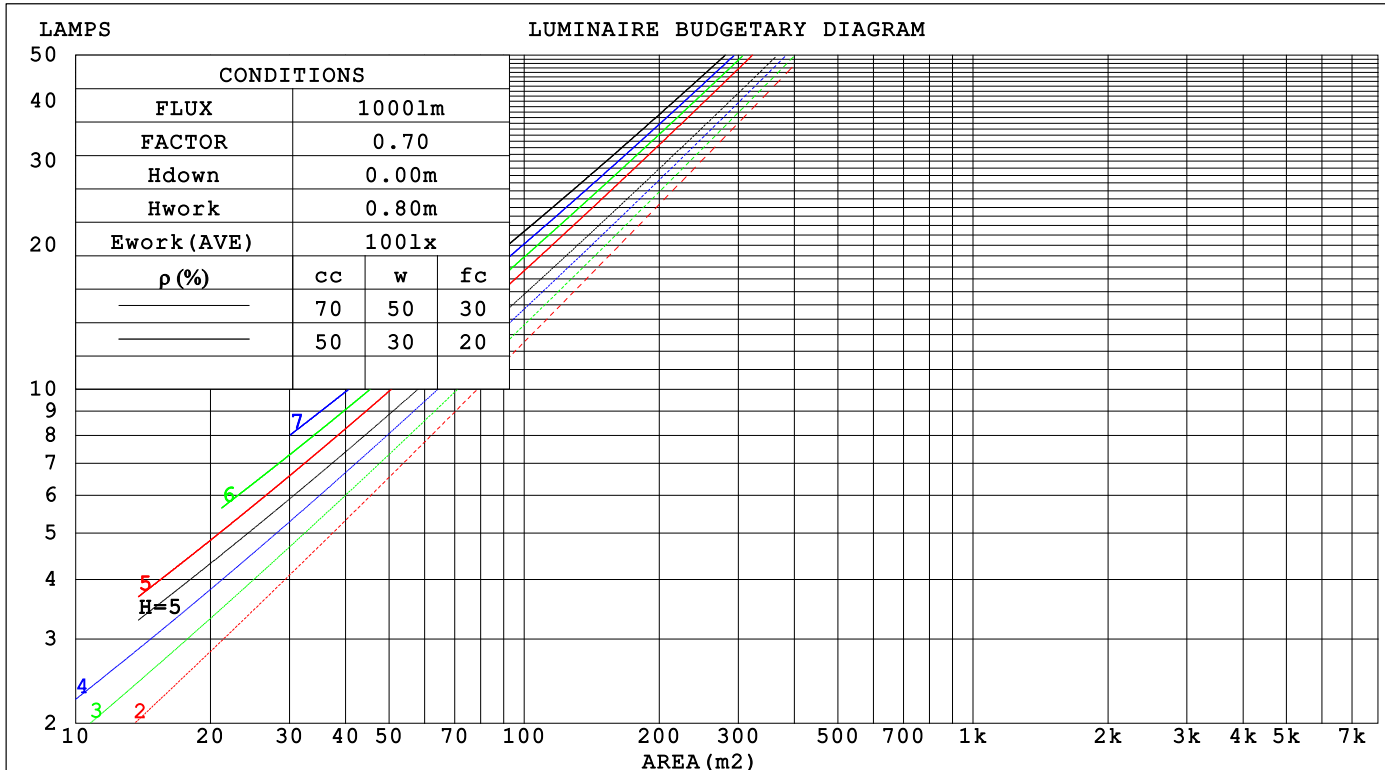
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

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	1.00														
1.0	1.11	1.08	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94														
2.0	1.03	.99	.96	1.02	.98	.95	.98	.96	.93	.95	.93	.91	.93	.91	.89	.87														
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.85	.88	.85	.83	.82														
4.0	.91	.85	.81	.90	.85	.81	.87	.83	.80	.85	.82	.79	.84	.81	.78	.77														
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.72														
6.0	.80	.75	.71	.80	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.68														
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64														
8.0	.72	.66	.62	.71	.66	.62	.70	.66	.62	.69	.65	.62	.68	.64	.61	.60														
9.0	.68	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57														
10.0	.65	.60	.56	.65	.59	.56	.64	.59	.56	.63	.59	.55	.62	.58	.55	.54														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.15% KDisp:0.9421			Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming Lighting			SUR.: 26mm			Shielding Angle:		

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	.175	.100	.032	.169	.096	.031	.156	.090	.029	.145	.083	.027	.134	.078	.025		
2.0	.167	.092	.028	.162	.089	.027	.151	.084	.026	.141	.079	.025	.132	.075	.024		
3.0	.159	.085	.025	.154	.083	.025	.145	.079	.024	.137	.075	.023	.129	.071	.022		
4.0	.151	.078	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.125	.068	.021		
5.0	.143	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019		
6.0	.136	.068	.020	.133	.067	.019	.127	.065	.019	.122	.063	.019	.117	.061	.018		
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.113	.058	.017		
8.0	.124	.061	.017	.122	.060	.017	.117	.059	.017	.113	.057	.016	.109	.056	.016		
9.0	.119	.058	.016	.117	.057	.016	.113	.056	.016	.109	.054	.016	.105	.053	.015		
10.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.105	.052	.015	.101	.051	.015		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016		
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011		
4.0	.133	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009		
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007		
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006		
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005		
8.0	.104	.064	.037	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004		
9.0	.098	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004		
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz UTHDi:0.17% ITHDi:18.15% KDisp:0.9421Lamp Flux:719.133x1 lm										
NAME: MD10-09-XX-16 3000K RA90 50D						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.: Norming Lighting						SUR.: 26mm		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	24.4	25.3	24.6	25.4	25.6	25.7	26.6	25.9	26.8	27.0
3H	24.3	25.2	24.6	25.4	25.6	25.7	26.5	26.0	26.7	26.9
4H	24.3	25.1	24.6	25.3	25.5	25.7	26.5	25.9	26.7	26.9
6H	24.2	25.0	24.5	25.2	25.5	25.6	26.4	25.9	26.6	26.8
8H	24.2	24.9	24.5	25.2	25.4	25.6	26.3	25.9	26.6	26.8
12H	24.2	24.8	24.5	25.1	25.4	25.5	26.2	25.9	26.5	26.8
4H 2H	24.3	25.1	24.5	25.3	25.5	25.6	26.4	25.8	26.6	26.8
3H	24.3	25.0	24.6	25.2	25.5	25.6	26.3	25.9	26.5	26.8
4H	24.3	24.9	24.6	25.2	25.5	25.6	26.2	25.9	26.5	26.8
6H	24.2	24.8	24.6	25.1	25.4	25.5	26.1	25.9	26.4	26.8
8H	24.2	24.7	24.6	25.0	25.4	25.5	26.0	25.9	26.4	26.7
12H	24.1	24.6	24.5	25.0	25.4	25.5	25.9	25.9	26.3	26.7
8H 4H	24.2	24.7	24.6	25.0	25.4	25.5	26.0	25.8	26.3	26.7
6H	24.1	24.6	24.6	25.0	25.4	25.4	25.9	25.9	26.2	26.7
8H	24.1	24.5	24.6	24.9	25.3	25.4	25.8	25.9	26.2	26.6
12H	24.1	24.4	24.5	24.8	25.3	25.4	25.7	25.9	26.2	26.6
12H 4H	24.1	24.6	24.5	25.0	25.4	25.4	25.9	25.8	26.2	26.6
6H	24.1	24.5	24.5	24.9	25.3	25.4	25.8	25.8	26.2	26.6
8H	24.1	24.4	24.5	24.8	25.3	25.4	25.7	25.8	26.1	26.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.0 / - 3.9					+ 2.7 / - 4.0				
1.5H	+ 3.1 / - 2.8					+ 4.2 / - 3.4				
2.0H	+ 3.2 / - 2.6					+ 4.0 / - 2.9				

CIE Pub.117, 719.1 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -1.1$)
Area: 0.0005 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

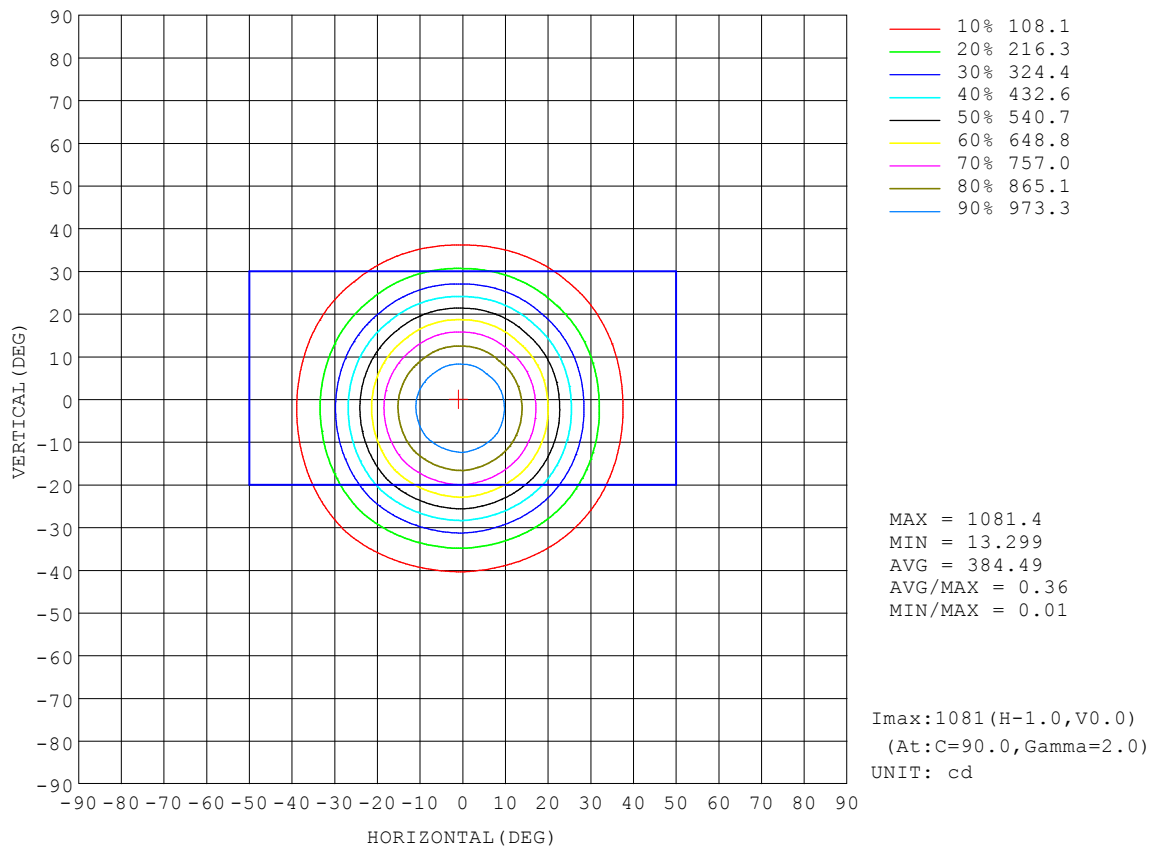
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	85	79	75	71
0.80	94	87	84	93	87	83	92	86	83	79
1.00	98	92	89	97	92	88	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	114	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
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:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

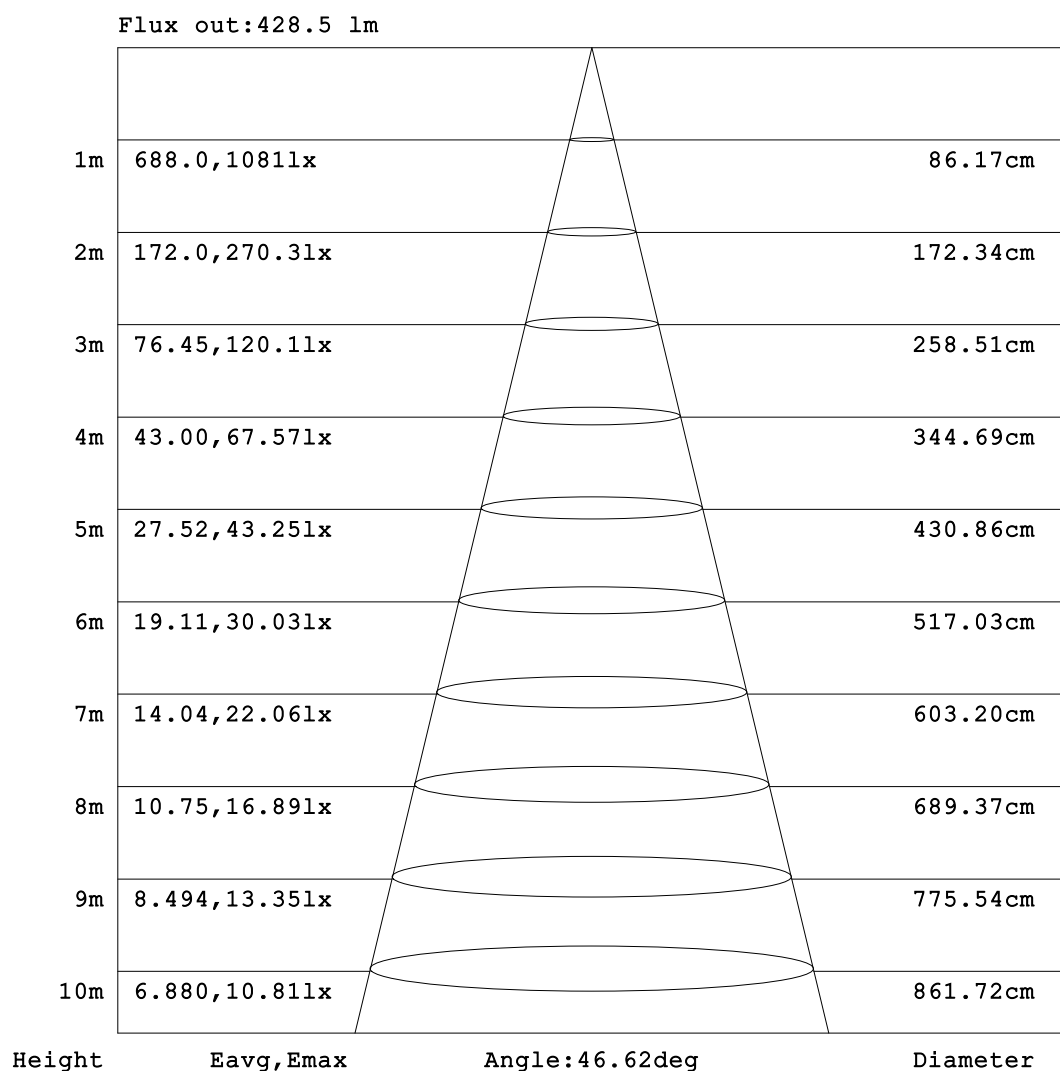


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
 Humidity:65.0%
 Test Distance:3.090m [K=1.0000]
 Remarks:

AAI Figure

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421		Lamp Flux:719.133x1 lm
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



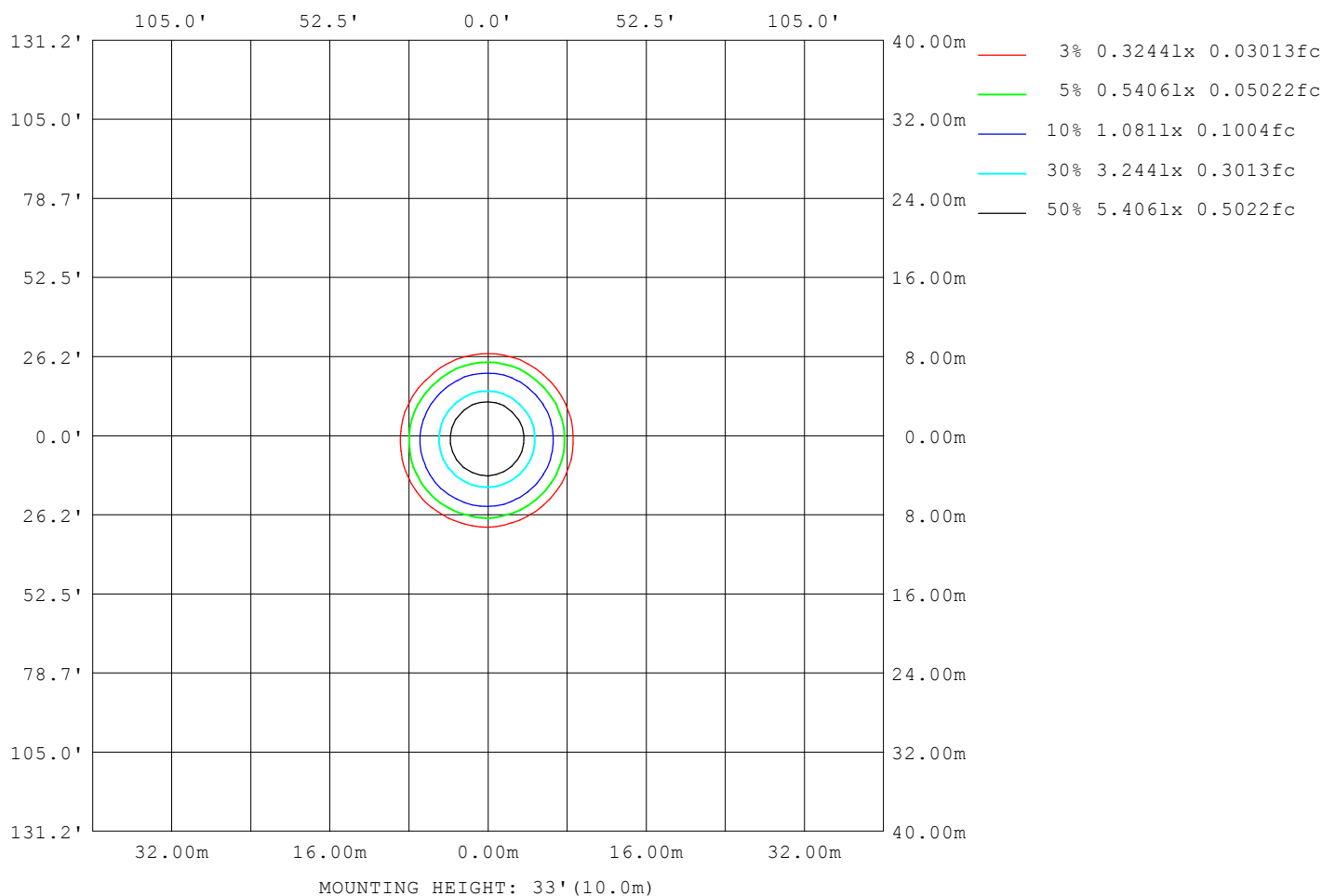
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421		Lamp Flux:719.133x1 lm
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.15% KDisp:0.9421 Lamp Flux:719.133x1 lm		
NAME: MD10-09-XX-16 3000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

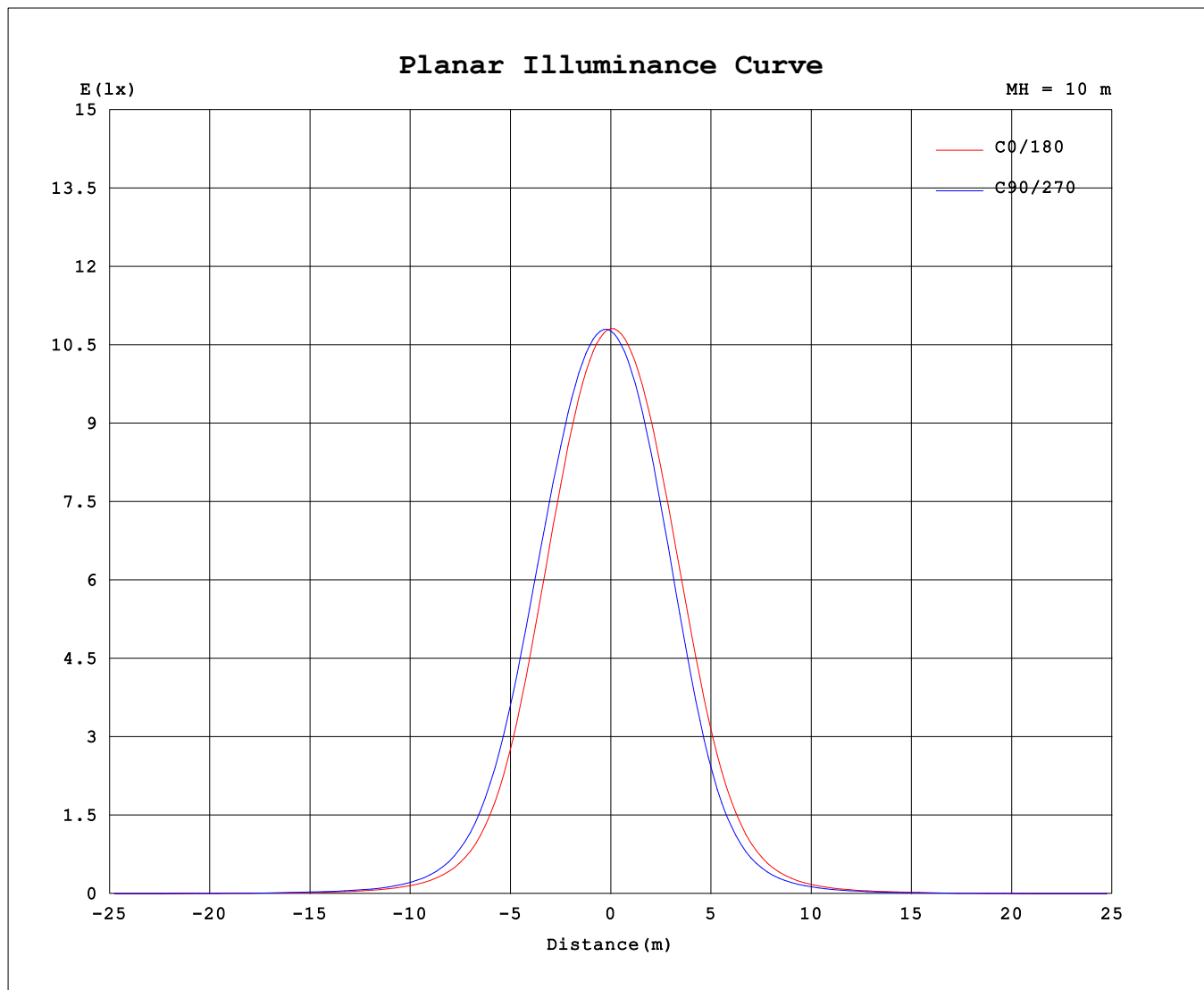
AvgL	cd/m2
L_0~180 (65) av	29760
L_0~180 (75) av	16778
L_0~180 (85) av	8018
L_90~270 (65) av	31551
L_90~270 (75) av	17983
L_90~270 (85) av	8819
L_45 (65) av	30600
L_45 (75) av	17219
L_45 (85) av	8693

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-03-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-03-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity: 65.0%
Test Distance: 3.090m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

```

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	1078	1078	1078	1078	1078	1078	1078	1078
3.0	1065	1076	1082	1080	1073	1062	1057	1056
6.0	1034	1057	1068	1065	1049	1028	1016	1015
9.0	982.6	1017	1035	1031	1006	974.1	956.9	955.9
12.0	912.2	959.1	983.7	979.5	944.6	900.6	879.4	876.9
15.0	823.1	881.3	913.9	909.6	864.4	809.4	784.0	781.0
18.0	719.3	786.0	826.7	821.7	767.7	703.4	674.1	671.7
21.0	603.7	677.2	723.5	718.6	657.6	587.2	554.7	553.2
24.0	483.9	558.4	607.7	604.1	539.8	466.9	435.1	434.6
27.0	370.1	438.8	487.7	484.9	422.0	352.5	324.5	325.1
30.0	269.9	327.6	371.9	369.9	314.4	253.7	231.9	233.2
33.0	189.5	233.8	270.3	269.1	225.2	175.6	160.9	162.4
36.0	130.1	161.4	189.0	189.2	154.9	119.3	109.9	111.8
39.0	89.92	109.8	129.4	129.9	105.5	81.73	75.42	77.50
42.0	61.93	75.21	89.11	88.69	72.17	56.69	52.67	54.34
45.0	43.76	52.59	61.30	61.30	50.23	40.18	37.50	38.78
48.0	31.59	37.69	43.32	43.13	35.70	29.19	27.28	28.17
51.0	23.24	27.60	31.29	31.00	25.94	21.61	20.31	20.75
54.0	17.30	20.58	23.12	22.69	19.28	16.20	15.13	15.49
57.0	12.96	15.52	17.33	16.83	14.34	12.23	11.36	11.56
60.0	9.783	11.71	13.06	12.58	10.75	9.223	8.501	8.652
63.0	7.282	8.799	9.890	9.421	8.054	6.870	6.326	6.431
66.0	5.407	6.538	7.362	7.019	5.984	5.068	4.716	4.775
69.0	4.011	4.831	5.410	5.204	4.414	3.729	3.482	3.509
72.0	2.913	3.559	3.980	3.842	3.238	2.686	2.491	2.486
75.0	2.044	2.559	2.899	2.781	2.298	1.858	1.755	1.715
78.0	1.393	1.788	2.037	1.945	1.582	1.253	1.206	1.145
81.0	0.8860	1.226	1.397	1.330	1.054	0.7888	0.6961	0.6542
84.0	0.4143	0.7455	0.8962	0.8430	0.5935	0.3200	0.1985	0.1972
87.0	0.0241	0.2558	0.4165	0.3695	0.1609	0.0183	0.0216	0.0183
90.0	0.0163	0.0135	0.0277	0.0158	0.0147	0.0177	0.0203	0.0167

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