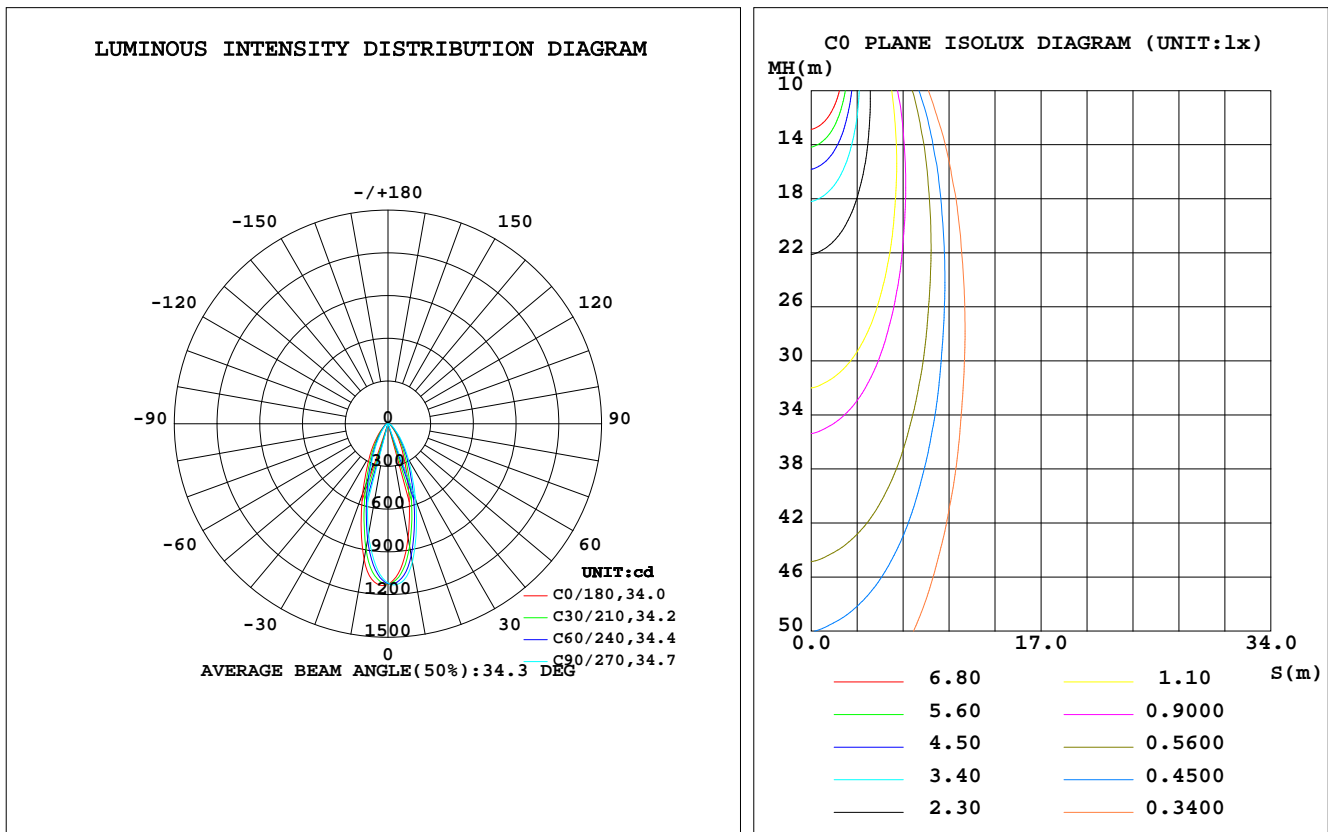


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.90 lm/W				
MODEL	MR16-7W		Imax(cd)	1138	S/MH(C0/180)	0.61
NOMINAL POWER(W)	7		LOR(%)	100.0	S/MH(C90/270)	0.49
RATED VOLTAGE(V)	12		TOTAL FLUX(lm)	647.41	η UP,DN(C0-180)	0.3,54.5
NOMINAL FLUX(lm)	647.406		CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,44.8
LAMPS INSIDE	1		η up(%)	0.7	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	12		η down(%)	99.3	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2019-09-19

```

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.680m [K=1.0000]
Remarks:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	814.5	906.6	985.8	971.5	968.6	859.6	786.8	789.2	0- 10	95.55	95.55	14.8,14.8
20	394.6	485.5	569.5	546.9	519.4	428.2	374.9	373.4	10- 20	180.7	276.2	42.7,42.7
30	183.5	239.2	285.6	276.7	252.4	197.4	161.8	165.4	20- 30	147.0	423.3	65.4,65.4
40	84.81	111.0	137.2	131.8	116.9	87.75	70.97	76.03	30- 40	95.55	518.8	80.1,80.1
50	38.97	50.10	62.57	59.78	54.17	43.82	35.54	37.27	40- 50	54.25	573.1	88.5,88.5
60	24.04	28.29	33.37	32.04	30.53	26.85	22.00	22.64	50- 60	32.10	605.2	93.5,93.5
70	15.73	18.28	20.00	20.84	20.45	16.34	12.60	13.72	60- 70	22.00	627.2	96.9,96.9
80	5.341	7.307	8.337	8.994	8.805	6.170	3.890	4.196	70- 80	12.44	639.6	98.8,98.8
90	0	0.4809	1.310	1.865	1.653	0.0247	0	0	80- 90	3.437	643.1	99.3,99.3
100	0	0	0	0	0	0	0	0	90-100	0.0692	643.1	99.3,99.3
110	0	0	0	0	0	0.0001	0	0.0078	100-110	0.0001	643.1	99.3,99.3
120	0.2067	0.1419	0.1150	0.0880	0.1075	0.1570	0.1990	0.2300	110-120	0.0511	643.2	99.3,99.3
130	0.7123	0.5596	0.4832	0.4485	0.4451	0.5598	0.6588	0.6855	120-130	0.3011	643.5	99.4,99.4
140	1.510	1.272	1.142	1.107	1.042	1.241	1.386	1.388	130-140	0.6833	644.2	99.5,99.5
150	2.322	2.126	1.985	1.950	1.824	2.023	2.153	2.153	140-150	1.036	645.2	99.7,99.7
160	2.881	2.759	2.683	2.632	2.530	2.640	2.697	2.709	150-160	1.103	646.3	99.8,99.8
170	3.119	3.108	3.081	3.023	2.982	3.016	3.004	2.989	160-170	0.8128	647.1	100,100
180	3.165	3.180	3.165	3.142	3.188	3.177	3.150	3.131	170-180	0.2949	647.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 549.94 lm

%lum = 84.9%

%lamp = 84.9%

Conical surface Flux(120deg): 605.18 lm

%lum = 93.5%

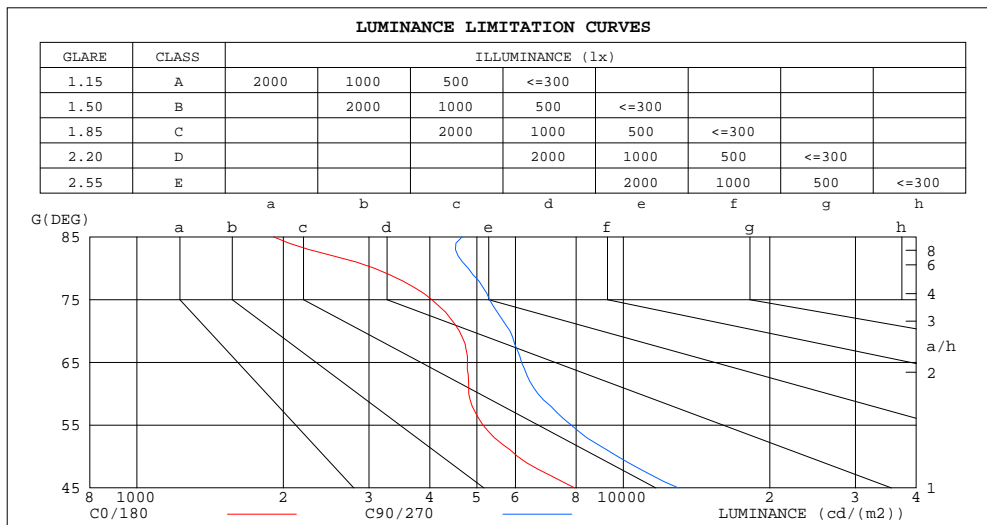
%lamp = 93.5%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.680m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1909	4662
80	3076	4801
75	4037	5309
70	4599	5848
65	4781	6177
60	4808	6675
55	5146	7812
50	6063	9734
45	7941	12990

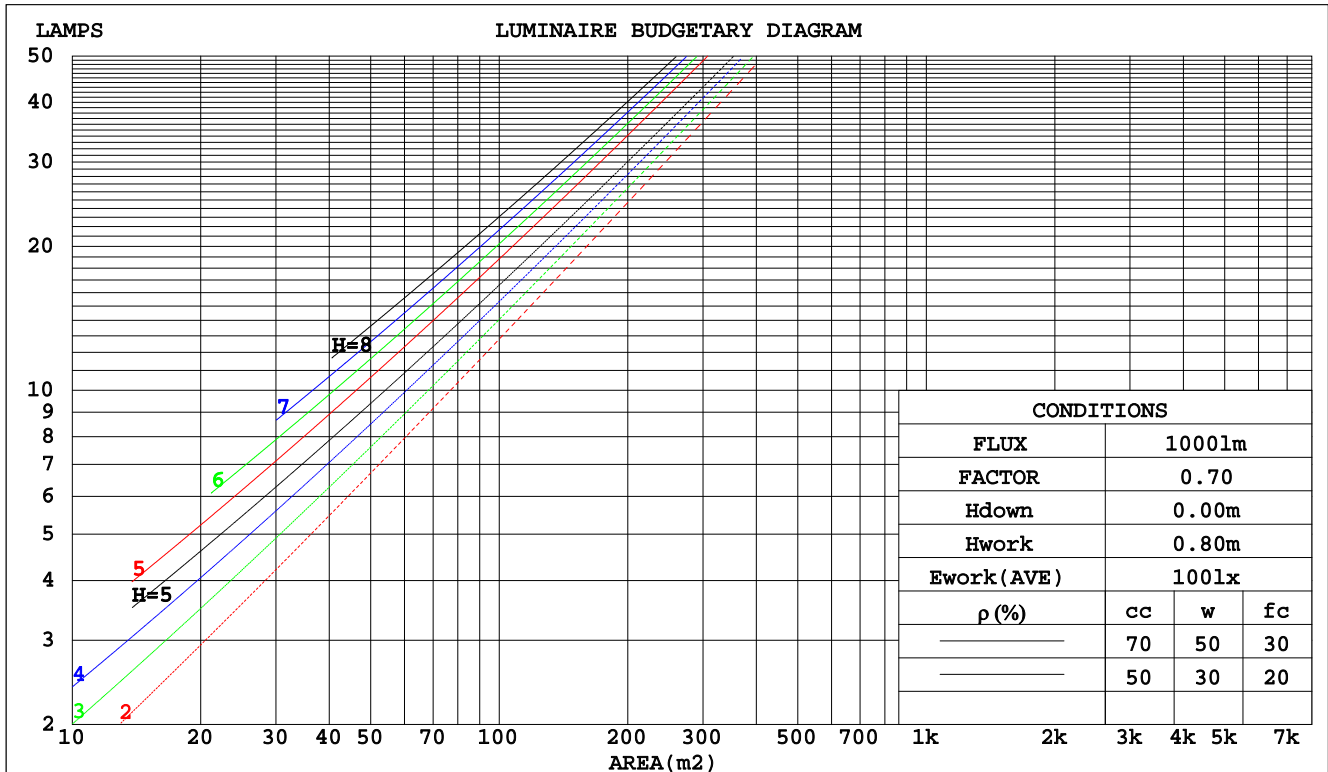
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.680m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	1.01	1.01	1.01	.99
1.0	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	1.01	.96	.92	.99	.95	.91	.95	.92	.89	.92	.90	.87	.89	.87	.85	.83
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.86	.83	.80	.84	.81	.79	.77
4.0	.87	.81	.76	.86	.80	.76	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.68	.64	.71	.67	.63	.62
7.0	.72	.65	.61	.71	.65	.61	.70	.64	.60	.68	.64	.60	.67	.63	.60	.58
8.0	.68	.62	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.56	.55
9.0	.64	.58	.54	.64	.58	.54	.63	.57	.54	.62	.57	.54	.61	.56	.53	.52
10.0	.61	.55	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.58	.54	.51	.49



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity: 47.5%
 Test Distance: 10.680m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm									
NAME: MR16-7W					TYPE:			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					SUR.:			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	.203	.115	.037	.196	.112	.036	.183	.105	.033	.171	.099	.032	.160	.093	.030	
2.0	.192	.105	.032	.186	.102	.032	.175	.097	.030	.165	.092	.029	.155	.088	.028	
3.0	.180	.096	.029	.175	.094	.028	.165	.090	.027	.157	.086	.026	.148	.082	.025	
4.0	.169	.088	.026	.165	.086	.025	.156	.083	.025	.149	.080	.024	.141	.077	.023	
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.141	.074	.022	.135	.072	.022	
6.0	.150	.075	.022	.146	.074	.021	.140	.072	.021	.134	.070	.020	.128	.068	.020	
7.0	.142	.070	.020	.139	.069	.020	.133	.067	.019	.128	.065	.019	.123	.064	.019	
8.0	.134	.066	.018	.132	.065	.018	.127	.063	.018	.122	.062	.018	.117	.060	.018	
9.0	.128	.062	.017	.125	.061	.017	.121	.060	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.058	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.178	.162	.148	.152	.139	.127	.104	.096	.088	.060	.055	.051	.019	.018	.017	
2.0	.164	.138	.115	.141	.118	.100	.096	.082	.070	.056	.048	.041	.018	.015	.013	
3.0	.152	.119	.092	.131	.103	.080	.090	.071	.056	.052	.042	.033	.017	.014	.011	
4.0	.142	.104	.075	.122	.090	.066	.084	.063	.046	.049	.037	.027	.016	.012	.009	
5.0	.134	.093	.063	.115	.080	.055	.079	.056	.039	.046	.033	.023	.015	.011	.008	
6.0	.126	.084	.054	.108	.073	.047	.075	.051	.033	.043	.030	.020	.014	.010	.006	
7.0	.119	.076	.046	.102	.066	.040	.071	.046	.029	.041	.027	.017	.013	.009	.006	
8.0	.113	.070	.041	.097	.061	.035	.067	.043	.025	.039	.025	.015	.013	.008	.005	
9.0	.108	.065	.036	.093	.056	.031	.064	.040	.022	.037	.023	.013	.012	.008	.004	
10.0	.103	.060	.032	.088	.052	.028	.061	.037	.020	.036	.022	.012	.012	.007	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2019-09-19

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.680m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm											
NAME: MR16-7W					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					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	17.5	18.5	17.7	18.7	18.9	19.2	20.3	19.5	20.4	20.6	
	3H	18.4	19.4	18.7	19.6	19.8	20.1	21.0	20.4	21.2	
	4H	18.8	19.7	19.1	19.9	20.2	20.5	21.3	20.7	21.6	
	6H	19.0	19.9	19.4	20.1	20.4	20.7	21.6	21.0	21.8	
	8H	19.1	19.9	19.4	20.2	20.4	20.8	21.6	21.1	21.9	
	12H	19.1	19.8	19.4	20.1	20.4	20.9	21.7	21.2	21.9	
4H	2H	17.9	18.8	18.2	19.1	19.3	19.4	20.3	19.7	20.5	
	3H	19.1	19.9	19.4	20.2	20.5	20.5	21.3	20.8	21.5	
	4H	19.6	20.3	20.0	20.6	20.9	21.0	21.7	21.3	22.0	
	6H	19.9	20.5	20.3	20.9	21.3	21.4	22.0	21.8	22.4	
	8H	20.0	20.6	20.4	20.9	21.3	21.5	22.1	21.9	22.5	
	12H	20.0	20.5	20.4	20.9	21.3	21.6	22.2	22.1	22.6	
8H	4H	19.8	20.4	20.2	20.8	21.2	21.1	21.7	21.5	22.0	
	6H	20.3	20.8	20.7	21.2	21.6	21.6	22.1	22.1	22.5	
	8H	20.4	20.8	20.8	21.2	21.7	21.8	22.3	22.3	22.7	
	12H	20.4	20.8	20.9	21.2	21.7	22.0	22.4	22.5	22.8	
12H	4H	19.8	20.4	20.3	20.8	21.2	21.1	21.6	21.5	22.0	
	6H	20.3	20.7	20.8	21.2	21.6	21.6	22.1	22.1	22.5	
	8H	20.4	20.8	20.9	21.3	21.8	21.9	22.2	22.3	22.7	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.6 / - 0.7					+ 0.7 / - 0.7					
1.5H	+ 0.8 / - 0.7					+ 1.3 / - 0.6					
2.0H	+ 0.8 / - 0.6					+ 1.4 / - 0.6					

CIE Pub.117, 647.4 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -1.5$)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity: 47.5%
 Test Distance: 10.680m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

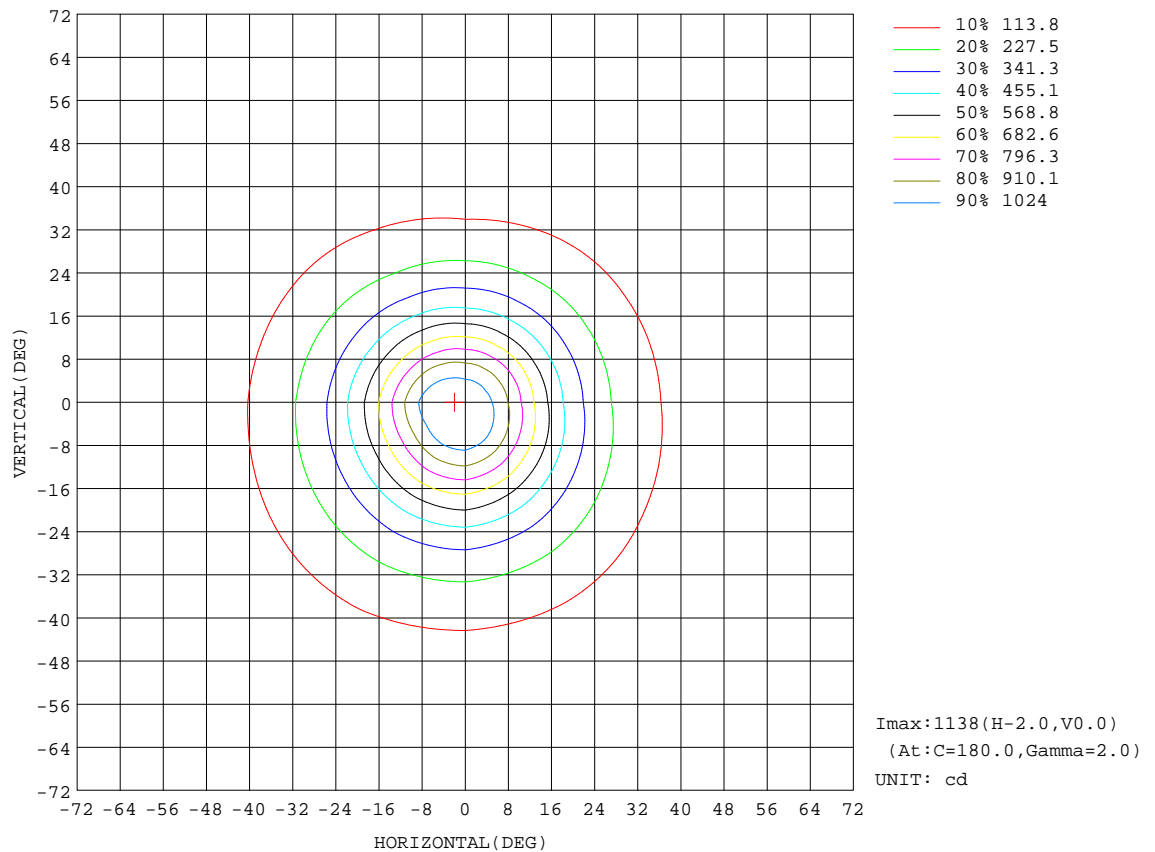
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	79	72	67	79	71	67	78	71	67	62
0.80	87	80	75	87	80	75	85	79	75	70
1.00	93	86	81	92	85	81	90	86	80	76
1.25	98	91	87	97	91	86	94	89	86	80
1.50	101	95	91	100	94	90	97	93	89	84
2.00	105	100	96	103	98	95	100	96	93	87
2.50	107	102	99	105	101	98	102	98	96	89
3.00	109	105	101	107	103	100	104	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.680m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



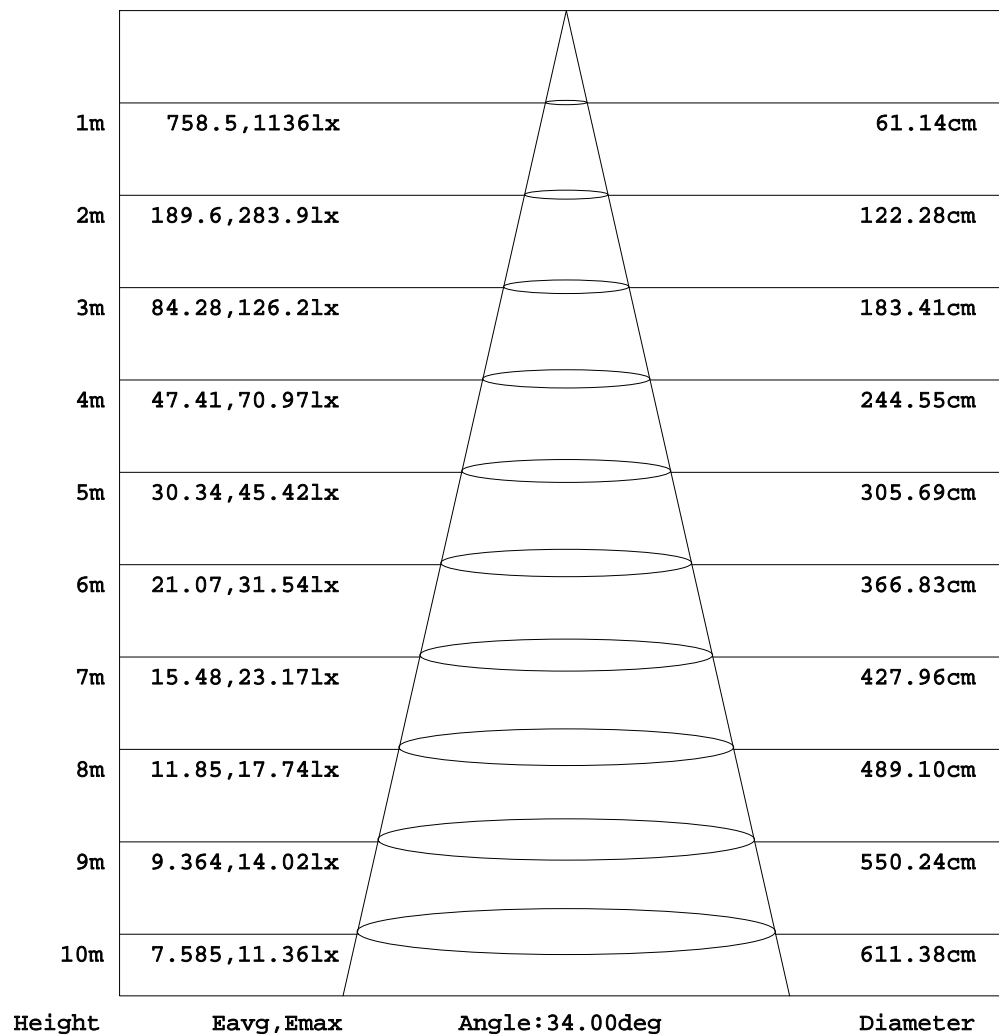
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:
Test Date:2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity:47.5%
Test Distance:10.680m [K=1.0000]
Remarks:

AAI Figure

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:222.7 lm



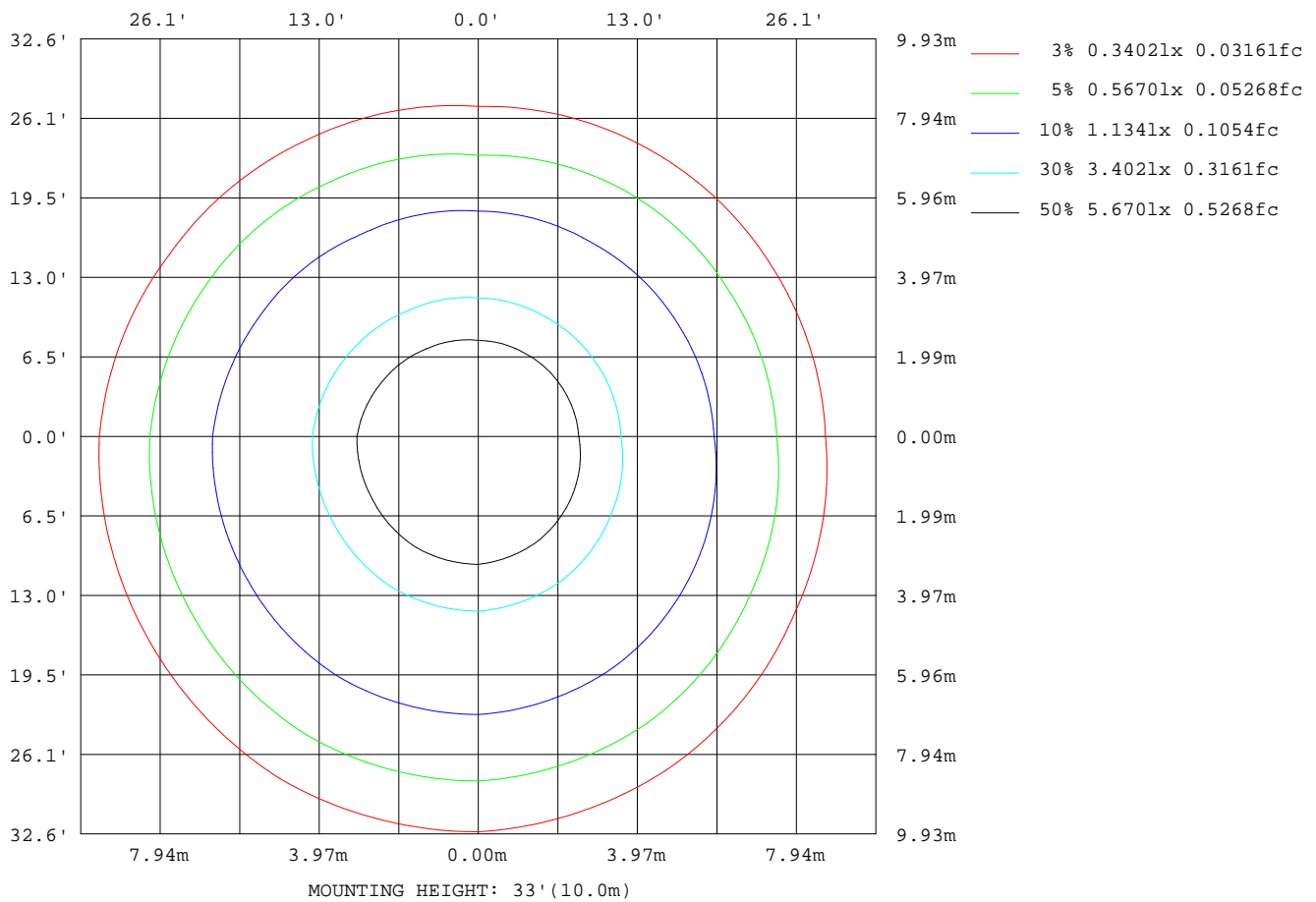
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 24.5DEG
 Operators:
 Test Date: 2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity: 47.5%
 Test Distance: 10.680m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity: 47.5%
Test Distance: 10.680m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm		
NAME: MR16-7W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

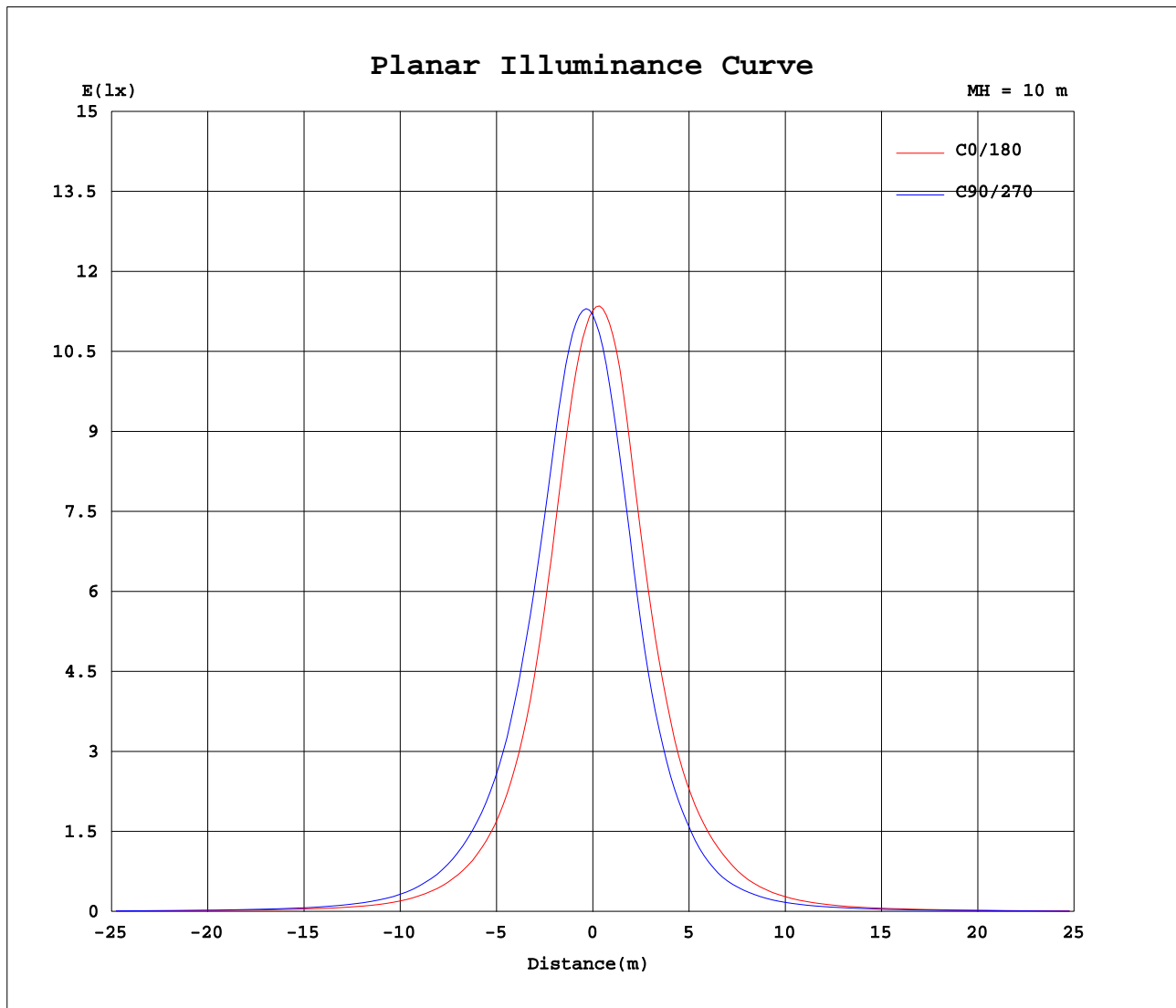
AvgL	cd/m2
L_0~180(65)av	5353
L_0~180(75)av	4856
L_0~180(85)av	3737
L_90~270(65)av	5146
L_90~270(75)av	4166
L_90~270(85)av	3069
L_45(65)av	5236
L_45(75)av	4539
L_45(85)av	3329

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:
 Test Date:2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.361
 Humidity:47.5%
 Test Distance:10.680m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators:
Test Date: 2019-09-19

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.361
Humidity: 47.5%
Test Distance: 10.680m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.71V I:0.5479A P:6.416W PF:0.9987 Freq:0Hz Lamp Flux:647.406x1 lm																	
NAME: MR16-7W									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1127	1125	1123	1118	1116	1112	1127	1125	1123	1118	1116	1112						
5	1023	1056	1090	1116	1118	1104	1114	1071	1029	997	997	1002						
10	815	875	938	986	983	960	969	893	826	787	783	796						
15	581	649	719	771	768	738	731	652	589	550	545	556						
20	395	453	518	570	561	533	519	455	402	375	369	378						
25	268	313	365	401	397	373	357	310	269	251	246	253						
30	184	220	258	286	286	267	252	216	179	162	161	170						
35	126	152	181	201	202	188	176	144	121	104	110	114						
40	84.8	99.9	122	137	137	126	117	94.8	80.7	71.0	73.9	78.1						
45	56.2	66.2	80.7	91.9	91.9	83.8	78.5	65.1	56.9	48.6	52.0	53.4						
50	39.0	45.6	54.6	62.6	62.0	57.5	54.2	46.4	41.2	35.5	37.4	37.2						
55	29.5	33.2	39.3	44.8	43.6	41.1	38.8	34.7	32.3	27.7	28.7	28.1						
60	24.0	26.3	30.3	33.4	32.6	31.5	30.5	27.5	26.2	22.0	22.6	22.7						
65	20.2	21.7	24.7	26.1	26.1	25.4	25.0	22.2	20.9	17.4	17.6	18.5						
70	15.7	17.1	19.4	20.0	21.3	20.4	20.5	17.1	15.5	12.6	13.0	14.5						
75	10.4	11.7	13.2	13.7	15.1	14.5	14.7	11.5	10.2	7.83	8.16	9.43						
80	5.34	6.54	8.07	8.34	9.10	8.89	8.81	6.92	5.42	3.89	3.80	4.60						
85	1.66	2.40	3.51	4.06	5.16	4.81	4.85	2.95	1.79	1.29	1.20	1.45						
90	0.00	0.00	0.96	1.31	1.89	1.84	1.65	0.05	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00						
115	0.06	0.08	0.00	0.00	0.00	0.02	0.00	0.00	0.09	0.05	0.14	0.05						
120	0.21	0.21	0.07	0.11	0.04	0.14	0.11	0.08	0.23	0.20	0.28	0.18						
125	0.44	0.40	0.24	0.26	0.18	0.29	0.24	0.24	0.41	0.41	0.48	0.36						
130	0.71	0.65	0.47	0.48	0.40	0.50	0.45	0.46	0.66	0.66	0.74	0.63						
135	1.08	1.00	0.78	0.77	0.67	0.81	0.71	0.76	0.98	1.00	1.08	0.95						
140	1.51	1.40	1.15	1.14	1.04	1.17	1.04	1.13	1.36	1.39	1.46	1.32						
145	1.92	1.83	1.56	1.56	1.46	1.60	1.43	1.51	1.76	1.78	1.85	1.72						
150	2.32	2.25	2.01	1.98	1.88	2.02	1.82	1.90	2.15	2.15	2.23	2.08						
155	2.64	2.59	2.37	2.36	2.27	2.39	2.22	2.26	2.47	2.46	2.54	2.38						
160	2.88	2.85	2.67	2.68	2.57	2.69	2.53	2.54	2.74	2.70	2.78	2.64						
165	3.03	3.05	2.88	2.91	2.81	2.90	2.80	2.78	2.94	2.88	2.95	2.81						
170	3.12	3.17	3.04	3.08	2.99	3.06	2.98	2.96	3.07	3.00	3.06	2.92						
175	3.15	3.19	3.13	3.15	3.07	3.13	3.13	3.07	3.17	3.07	3.10	2.99						
180	3.17	3.20	3.17	3.17	3.13	3.15	3.19	3.17	3.19	3.15	3.15	3.11						

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