



Testing Lab.

Shenzhen LCS Compliance Testing Laboratory Ltd.

地址: 深圳市宝安区宝安大道通达路星源科技园 1 楼

Add: 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China

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webmaster@LCS-cert.com

Report No.: LCS1405220954S

检测报告

TEST REPORT

产品名称 NAME OF SAMPLE	28 Watt Mightylite
商 标 TRADE MARK	Mightylite
型 号 MODEL/TYPE	40300062
委 托 单 位 CLIENT	Global Tech China Limited
委托单位地址 ADDRESS OF CLIENT	3 Flat A, Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong
检 验 类 别 INSPECTION CLASSIFICATION	Commission Test
检 验 项 目 TEST ITEM	LM-63-1995



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Test Report

样品名称 Name or sample	28 Watt Mightylite		报告编号 Report No.	LCS1405220954S
委托单位 Client	Global Tech China Limited		委托单位地址 ADDRESS OF CLIENT	3 Flat A, Wai Yip Industrial Building, 171 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong
来样方式 Name of receipt	Delivering		检验类别 Inspection Classification	Commission test
主测型号 Test Model	40300022		测试日期 Test date	2014.05.30
检验依据 Test standard	LM-63-1995			
样品额定参数 Rating of sample	230V AC, 50-60Hz, 28W			
样品特征及状态 Sample characteristic and condition	样品完好, 可正常工作。 The sample was in good condition operation as normally.			
检测结论 Test result	测试结果见报告附页。 Measured data see report attached.			
环境温度, °C Ambient Temperature	25.3		相对湿度, % Relative Humidity	65
测试报告专用章 Test report Special-purpose seal	测试: Test by:	Kelda Dai		
	审批: Approved by:	Hart Qiu		
	报告日期: Date of issue	2014-05-30		



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检测报告附页

Attachment of Report

LumCAT:	
Luminaire:	
Report No:	Voltage(V): 230.500
Test No:	Current(A): 0.094
LampCAT:	Power (W): 20.200
Lamp flux(lm)	PF: 0.935
Number of Lamps: 0	Ballast type:
Length(mm): 0	Width(mm): 0
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1770.81
Lumens(lm)/Power(W): 87.66
Central intensity(cd): 828.200
Maximum intensity(cd): 973.641
Angle of maximum intensity: C=120.0 γ =20.0
Beam Angle(50%Imax): [V]Left=52.2 Right=27.9
[H]Left=37.7 Right=55.4
Field angle(10%Imax): [V]Left=70.0 Right=39.9
[H]Left=58.8 Right=76.1
Effective flux(lm): 1706.92

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
Distance(m): 11.35



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Zonal flux distribution table Unit::lm

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V \ H	H																		EFlux	Total	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			90
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.4	
-80	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.2	
-70	0.0	0.1	0.3	0.4	0.6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	8.5	
-60	0.0	0.1	0.4	0.6	1.3	2.0	1.8	2.1	1.9	1.8	1.8	1.4	1.4	1.0	0.5	0.3	0.1	0.0	4.9	18.4	
-50	0.0	0.2	0.6	1.5	3.9	5.4	6.8	8.2	8.1	8.0	7.8	6.2	4.5	2.8	1.1	0.5	0.1	0.0	61.9	65.6	
-40	0.0	0.3	0.9	3.2	6.8	9.9	12.7	13.9	14.6	14.5	13.6	12.2	9.1	5.6	2.3	0.7	0.2	0.0	118.2	120.5	
-30	0.0	0.3	1.4	4.7	9.0	13.3	16.6	18.3	19.4	19.1	17.6	16.1	12.7	8.0	3.6	1.0	0.2	0.0	159.9	161.6	
-20	0.0	0.4	1.8	5.8	10.5	15.5	20.0	22.1	22.9	22.7	21.3	19.1	14.8	9.6	4.7	1.4	0.3	0.0	191.5	192.9	
-10	0.0	0.4	2.2	6.5	11.5	16.4	20.9	23.4	24.6	24.3	22.8	20.2	15.5	10.5	5.4	1.6	0.3	0.0	205.5	206.5	
0	0.0	0.4	2.3	6.7	12.0	17.5	22.6	25.5	26.7	26.1	24.7	21.8	16.6	11.0	5.6	1.7	0.3	0.0	220.4	221.4	
10	0.0	0.4	2.2	6.4	12.0	18.6	24.4	27.3	28.8	28.3	26.4	23.4	17.6	10.9	5.3	1.6	0.3	0.0	232.9	233.9	
20	0.0	0.3	1.9	5.8	10.9	17.2	21.8	24.5	25.4	25.1	23.7	20.8	16.2	9.7	4.7	1.3	0.2	0.0	208.3	209.6	
30	0.0	0.2	1.4	4.8	9.0	13.6	16.9	18.5	19.2	18.9	17.8	16.2	12.5	7.9	3.7	0.9	0.2	0.0	160.2	161.8	
40	0.0	0.2	0.8	3.4	6.2	8.5	12.2	14.0	14.4	14.2	13.5	11.2	7.6	5.0	2.2	0.5	0.1	0.0	112.0	113.9	
50	0.0	0.1	0.3	1.4	3.0	3.3	3.4	4.8	5.0	4.9	4.6	3.1	2.6	1.9	0.8	0.3	0.1	0.0	31.3	39.7	
60	0.0	0.1	0.2	0.3	0.7	0.9	0.4	0.5	0.5	0.4	0.4	0.4	0.6	0.5	0.3	0.1	0.1	0.0	0.0	6.2	
70	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	2.8	
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.9	
90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.9	
EFlux	---	0.0	0.0	12.1	48.6	94.4	139.3	178.1	200.9	209.5	206.4	193.9	169.7	128.9	81.7	37.0	6.6	0.0	0.0	1707.1	---
Total	---	0.2	3.6	16.9	52.1	98.1	143.8	182.2	204.8	213.1	209.8	197.6	173.6	133.2	85.5	40.9	12.4	2.6	0.2	---	1770.8

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
Distance(m): 11.35



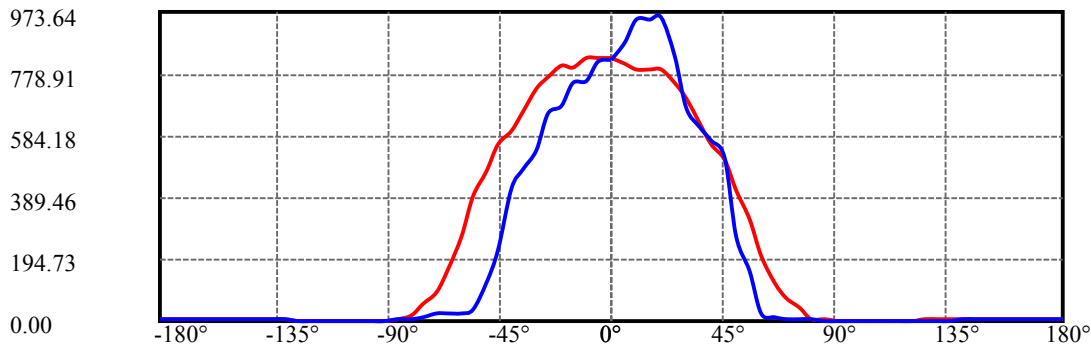
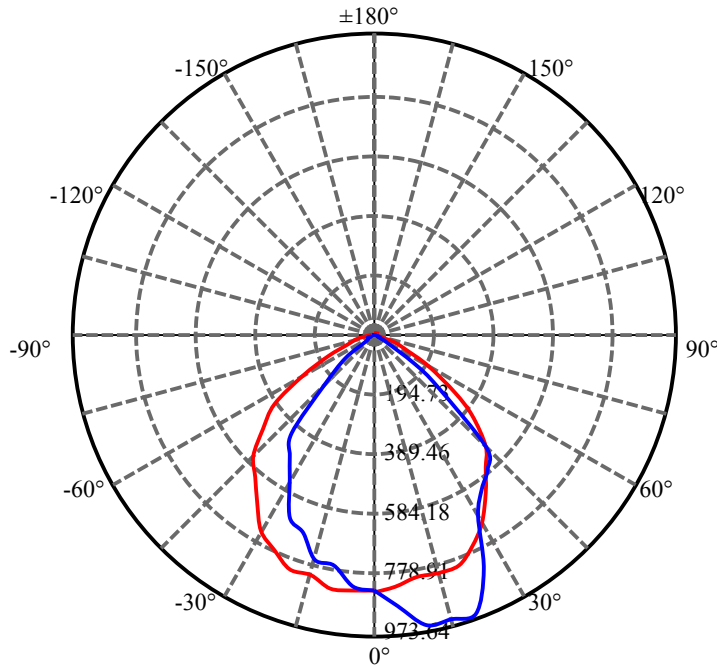
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Light Distribution Curve [Unit:cd]

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H=0 ———

V=0 ———

Field angle(10%Imax):C0/180Left:71.2 Right:68.7

:C90/270Left:51.4 Right:57.4

Beam Angle(50%Imax):C0/180Left:53.6 Right:49.7

:C90/270Left:34.9 Right:45.6

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
Distance(m): 11.35



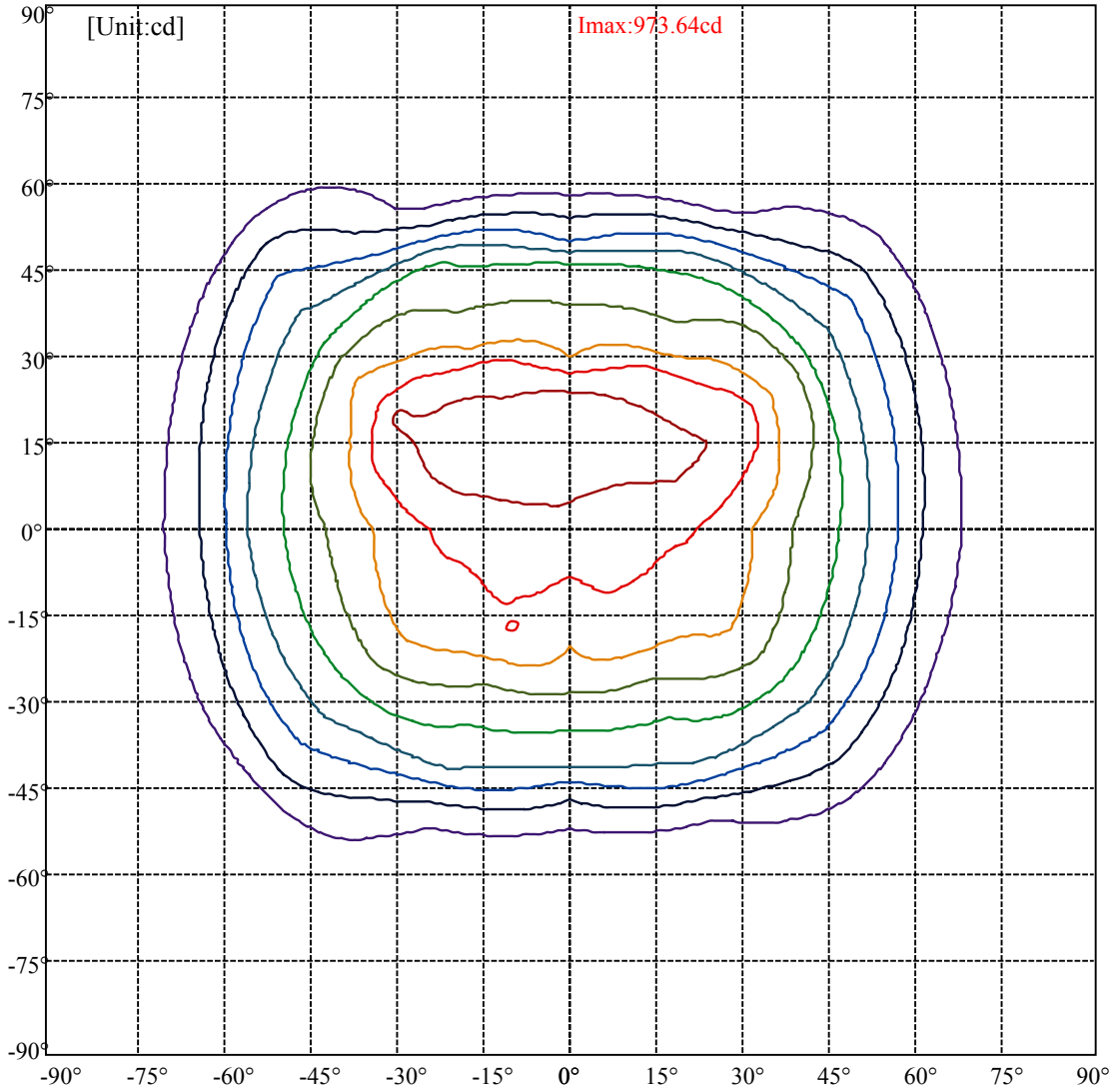
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ISO-Intensity(V-H)

Report No.: LCS1405220954S



(10%Imax) 97.105	—
(20%Imax) 194.21	—
(30%Imax) 291.315	—
(40%Imax) 388.42	—
(50%Imax) 485.525	—
(60%Imax) 582.63	—
(70%Imax) 679.735	—
(80%Imax) 776.84	—
(90%Imax) 873.945	—

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
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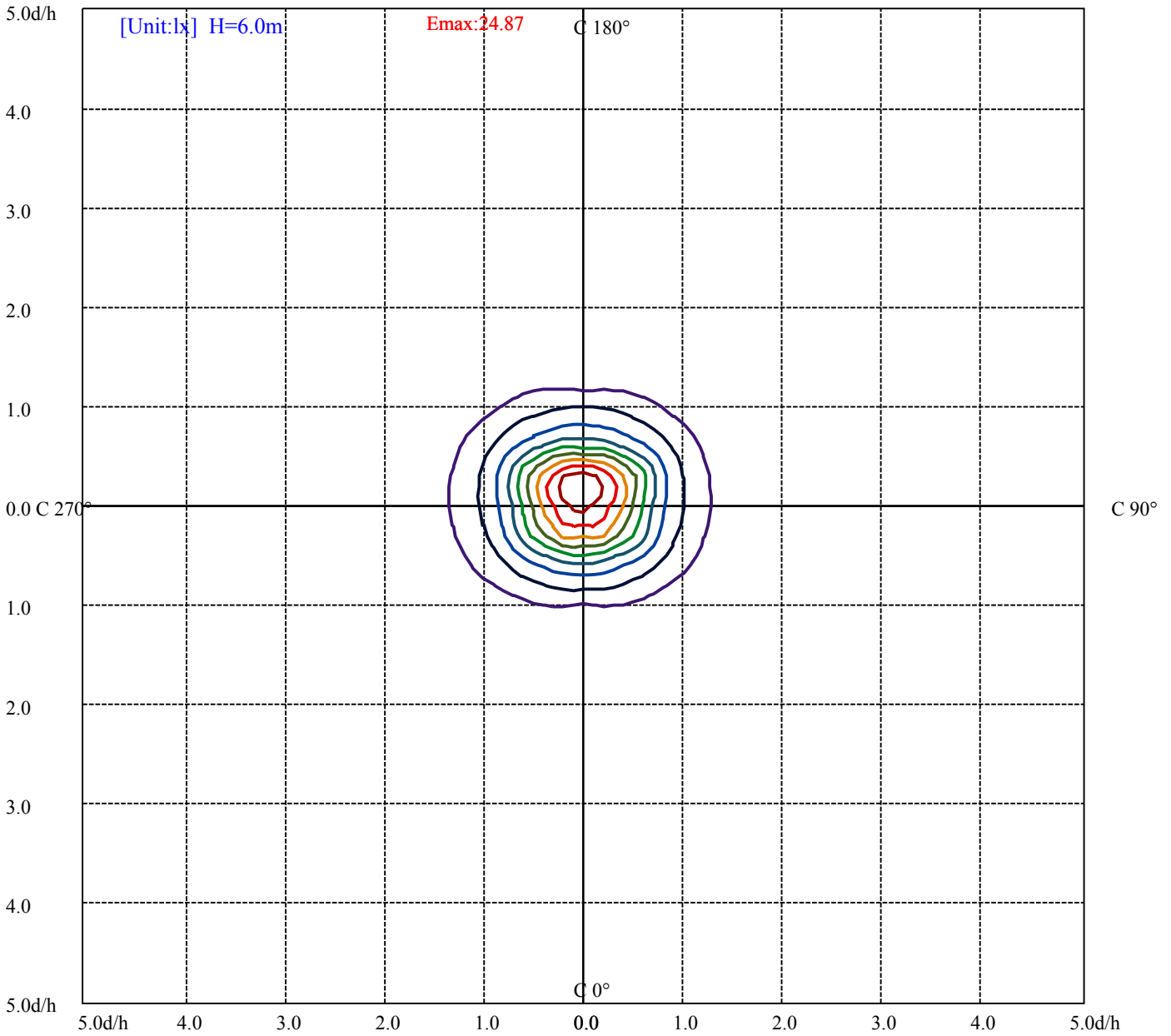
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ISO illuminance diagram

Report No.: LCS1405220954S



(10%Emax) 2.486611	—
(20%Emax) 4.973222	—
(30%Emax) 7.459833	—
(40%Emax) 9.946445	—
(50%Emax) 12.43306	—
(60%Emax) 14.91967	—
(70%Emax) 17.40628	—
(80%Emax) 19.89289	—
(90%Emax) 22.3795	—

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
Distance(m): 11.35



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Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	828.20	812.74	794.58	793.16	789.30	749.88	700.67	622.08	556.77
30.0	823.05	828.33	849.46	870.45	895.45	886.04	864.79	842.50	691.78
60.0	821.50	857.70	895.96	923.79	943.62	858.34	812.23	631.75	575.45
90.0	823.05	879.34	948.39	952.38	958.44	836.32	670.39	608.82	570.30
120.0	828.20	880.12	915.80	952.13	973.64	877.41	846.49	670.65	596.06
150.0	827.43	857.31	880.12	905.11	923.92	933.45	890.16	890.16	729.39
180.0	827.17	828.97	829.87	801.28	806.17	768.43	731.97	662.02	598.77
210.0	823.05	835.16	827.81	804.75	748.97	756.96	739.70	661.12	582.15
240.0	821.50	822.40	790.97	766.49	782.60	689.20	581.25	511.04	455.90
270.0	823.05	816.09	756.06	748.46	678.89	651.20	540.15	478.32	415.19
300.0	828.20	820.34	789.68	765.33	756.83	660.22	562.05	495.97	446.24
330.0	827.43	826.14	793.93	776.93	730.68	716.12	704.66	645.14	557.16
360.0	828.20	812.74	794.58	793.16	789.30	749.88	700.67	622.08	556.77
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	508.46	409.78	320.64	203.15	119.42	69.69	40.19	8.24	3.35
30.0	621.70	442.12	370.11	271.43	142.09	46.63	12.62	10.43	7.21
60.0	537.96	430.27	222.99	40.84	13.66	10.31	8.89	8.89	1.16
90.0	511.30	264.34	158.97	25.64	10.31	8.37	6.44	3.48	0.52
120.0	542.21	488.24	227.11	50.11	13.53	9.66	8.89	8.37	1.55
150.0	663.05	502.54	414.55	337.39	231.62	85.41	12.37	10.56	9.40
180.0	553.68	469.69	394.07	264.22	162.70	91.46	55.78	15.72	3.48
210.0	485.27	411.46	313.68	220.03	77.94	27.05	23.06	20.74	5.80
240.0	394.07	217.32	98.55	31.30	31.69	30.53	28.60	10.95	5.93
270.0	226.34	120.19	33.88	25.64	25.12	23.06	13.66	6.44	3.35
300.0	376.93	203.41	72.01	26.28	23.96	25.12	19.71	9.40	4.12
330.0	463.76	368.30	258.42	145.57	55.26	24.99	21.77	14.69	4.90
360.0	508.46	409.78	320.64	203.15	119.42	69.69	40.19	8.24	3.35
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	1.93	0.52	0.77	1.16	1.80	2.32	2.83	3.35	3.99
30.0	1.55	0.26	0.52	0.90	1.16	1.67	2.06	2.45	2.96
60.0	0.13	0.13	0.26	0.39	0.64	1.03	1.55	1.93	2.32
90.0	0.13	0.13	0.13	0.13	0.52	0.77	1.03	1.55	1.93
120.0	0.13	0.13	0.26	0.26	0.64	0.90	1.42	1.80	2.32
150.0	1.80	0.26	0.39	0.64	1.03	1.55	1.80	2.19	2.83
180.0	1.67	0.39	0.64	1.03	1.42	1.80	2.32	2.83	3.48
210.0	1.80	0.52	0.52	1.03	1.42	2.06	2.45	3.09	3.61
240.0	1.42	0.39	0.26	0.52	1.03	1.55	2.06	2.71	3.22
270.0	0.77	0.13	0.13	0.39	0.90	1.42	1.93	2.45	3.09
300.0	0.90	0.26	0.26	0.64	1.16	1.55	2.19	2.83	3.35
330.0	1.16	0.52	0.77	1.16	1.67	2.32	2.83	3.35	3.99
360.0	1.93	0.52	0.77	1.16	1.80	2.32	2.83	3.35	3.99
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	4.38	4.90	5.28	5.54	5.93	6.05	6.18	6.44	6.31
30.0	3.35	3.74	4.25	4.64	4.90	5.28	5.54	5.93	6.31
60.0	2.83	3.35	3.74	4.12	4.51	4.90	5.28	5.93	6.31
90.0	2.45	3.09	3.48	3.99	4.38	4.90	5.28	5.80	6.18
120.0	2.83	3.35	3.74	4.25	4.51	4.90	5.41	5.80	6.31
150.0	3.22	3.74	3.99	4.51	4.90	5.28	5.67	5.93	6.44
180.0	3.86	4.38	4.77	5.02	5.28	5.67	5.93	6.18	6.44
210.0	3.99	4.51	4.77	5.15	5.54	5.80	6.05	6.31	6.44
240.0	3.86	4.51	4.90	5.28	5.67	5.80	6.05	6.18	6.44
270.0	3.86	4.51	4.90	5.41	5.80	6.05	6.18	6.31	6.57
300.0	3.99	4.51	5.02	5.41	5.67	5.93	6.05	6.31	6.57
330.0	4.51	4.90	5.15	5.41	5.67	5.93	6.18	6.31	6.44
360.0	4.38	4.90	5.28	5.54	5.93	6.05	6.18	6.44	6.31

Equipment:
Temperature(°C): 25.3

Date: 2014-5-30
Humidity(%): 65.0%

Operator:
Distance(m): 11.35



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Intensity data(cd)

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C/γ(°)	180.0
0.0	6.70
30.0	6.57
60.0	6.57
90.0	6.70
120.0	6.57
150.0	6.57
180.0	6.70
210.0	6.57
240.0	6.57
270.0	6.70
300.0	6.57
330.0	6.57
360.0	6.70

Equipment:
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Photos of Sample

