



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

Tel: 0755-82591330

Http: www.LCS-cert.com

Fax: 0755-82591332

webmaster@LCS-cert.com

Report No.: LCS1405220953S

检测报告

TEST REPORT

产品名称 NAME OF SAMPLE	16 Watt Mightylite
商 标 TRADE MARK	Mightylite
型 号 MODEL/TYPE	40300022
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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检测报告

Test Report

样品名称 Name or sample	16 Watt MightyLite		报告编号 Report No.	LCS1405220953S
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, 16W			
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:16 Watt Mightylite

Luminaire:

Report No:

Voltage(V): 230.100

Test No:

Current(A): 0.062

LampCAT:

Power (W): 13.700

Lamp flux(lm)

PF: 0.951

Number of Lamps: 0

Ballast type:

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 916.32

Lumens(lm)/Power(W): 66.88

Central intensity(cd): 522.891

Maximum intensity(cd): 540.668

Angle of maximum intensity: C=300.0 γ =15.0

Beam Angle(50%Imax): [V]Left=25.0 Right=50.5

[H]Left=47.9 Right=33.1

Field angle(10%Imax): [V]Left=33.6 Right=70.9

[H]Left=74.8 Right=59.9

Beam angle of C300plane: 82.78

Effective flux(lm): 882.55

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
-80	0.0	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	0.0	1.0
-70	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2.2
-60	0.0	0.0	0.1	0.1	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	3.2
-50	0.0	0.0	0.2	0.3	0.9	1.5	1.7	2.6	2.4	2.4	2.5	1.7	1.4	0.9	0.3	0.2	0.1	0.0	0.0	13.8	19.4	
-40	0.0	0.1	0.4	0.9	2.4	4.1	6.9	9.0	9.3	9.3	9.1	6.8	3.9	2.3	1.0	0.4	0.1	0.0	64.1	65.9		
-30	0.0	0.1	0.6	1.6	3.7	6.9	10.6	11.7	12.4	12.6	12.1	10.5	6.8	3.6	1.6	0.6	0.1	0.0	94.4	95.4		
-20	0.0	0.1	0.8	2.1	4.5	8.7	12.7	14.5	15.2	15.4	14.7	12.7	8.6	4.5	2.1	0.8	0.2	0.0	117.0	117.6		
-10	0.0	0.2	1.0	2.4	4.8	9.2	12.9	14.9	15.6	15.8	15.1	13.0	9.2	5.0	2.4	1.0	0.2	0.0	122.1	122.7		
0	0.0	0.2	1.1	2.4	5.0	9.2	12.3	13.6	14.6	14.7	14.0	12.4	9.3	5.1	2.4	1.1	0.2	0.0	116.9	117.4		
10	0.0	0.2	1.0	2.2	5.0	9.1	11.9	13.3	13.9	14.1	13.6	12.0	9.0	4.9	2.1	0.9	0.2	0.0	112.9	113.6		
20	0.0	0.1	0.8	1.9	4.3	8.1	10.8	13.5	14.5	14.6	13.6	10.7	7.8	3.9	1.8	0.8	0.1	0.0	106.4	107.1		
30	0.0	0.1	0.6	1.5	3.0	5.8	7.7	9.0	9.8	9.7	8.9	7.5	5.3	2.6	1.4	0.5	0.1	0.0	72.5	73.4		
40	0.0	0.1	0.4	1.0	1.8	3.5	5.3	6.1	6.3	6.3	5.9	5.0	3.1	1.5	0.9	0.3	0.1	0.0	46.0	47.7		
50	0.0	0.0	0.2	0.6	1.0	1.3	2.3	3.2	3.6	3.5	2.9	1.8	1.0	0.8	0.4	0.1	0.0	0.0	16.5	22.9		
60	0.0	0.0	0.1	0.2	0.4	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	3.8	
70	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	0.1	0.1	0.0	0.0	0.0	0.0	1.6	
80	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	0.1	0.1	0.0	0.0	0.0	0.0	1.4	
90	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	0.1	0.1	0.0	0.0	0.0	0.0	1.4	
EFlux	---	0.0	0.0	4.6	15.4	34.9	66.2	94.4	110.7	116.7	117.5	111.9	93.3	64.3	33.7	14.7	4.5	0.0	0.0	882.7	---	
Total	---	0.1	1.3	7.4	17.6	37.2	68.6	96.2	112.5	118.5	119.2	113.5	95.3	66.9	36.0	16.9	7.3	1.6	0.1	---	916.3	

Equipment:
Temperature(°C): 25.3

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

Operator:
Distance(m): 11.35



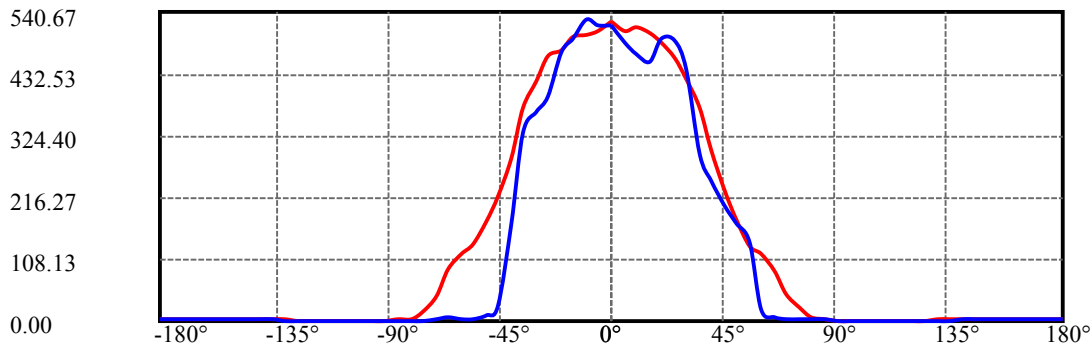
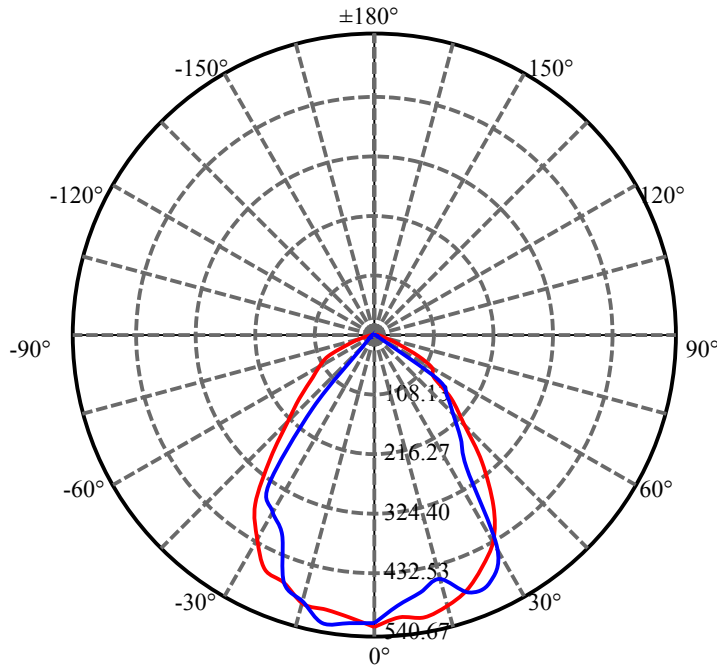
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Light Distribution Curve [Unit:cd]

Report No.: LCS1405220953S



H=0 ———

V=0 ———

Field angle(10%Imax):C0/180Left:69.1 Right:69.3

:C90/270Left:44.1 Right:58.6

Beam Angle(50%Imax):C0/180Left:41.8 Right:42.7

:C90/270Left:37.1 Right:37.9

Equipment:
Temperature(°C): 25.3

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

Operator:
Distance(m): 11.35



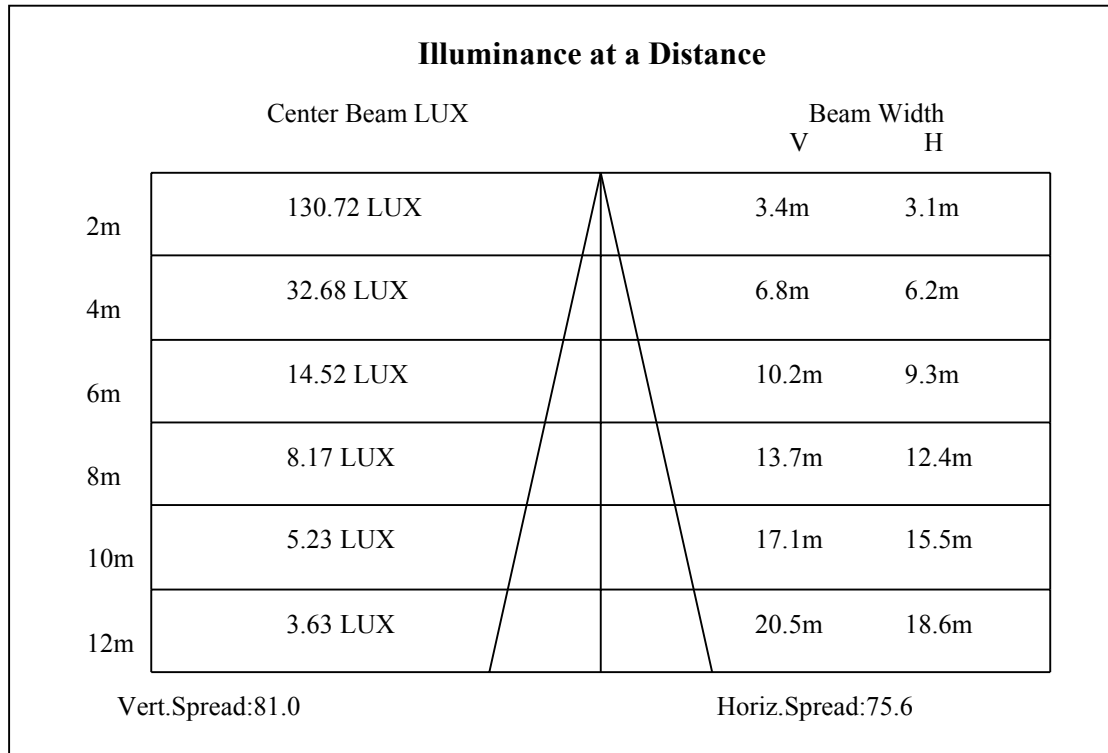
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Lux distance Curve

Report No.: LCS1405220953S



Equipment:
 Temperature(°C): 25.3

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

Operator:
 Distance(m): 11.35



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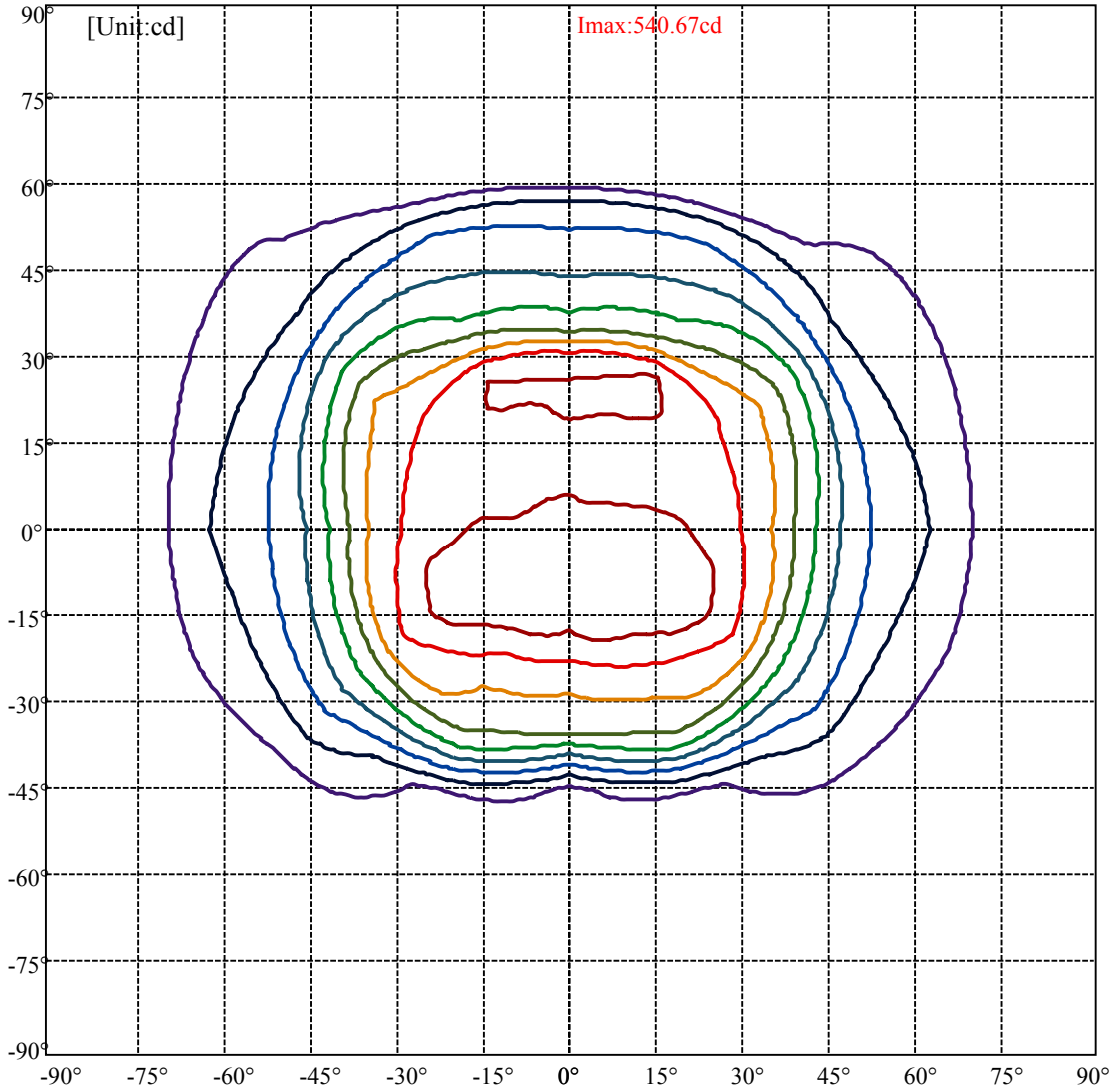
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ISO-Intensity(V-H)

Report No.: LCS1405220953S



(10%Imax) 53.7718	
(20%Imax) 107.544	
(30%Imax) 161.316	
(40%Imax) 215.087	
(50%Imax) 268.859	
(60%Imax) 322.631	
(70%Imax) 376.403	
(80%Imax) 430.175	
(90%Imax) 483.947	

Equipment:
Temperature(°C): 25.3

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

Operator:
Distance(m): 11.35



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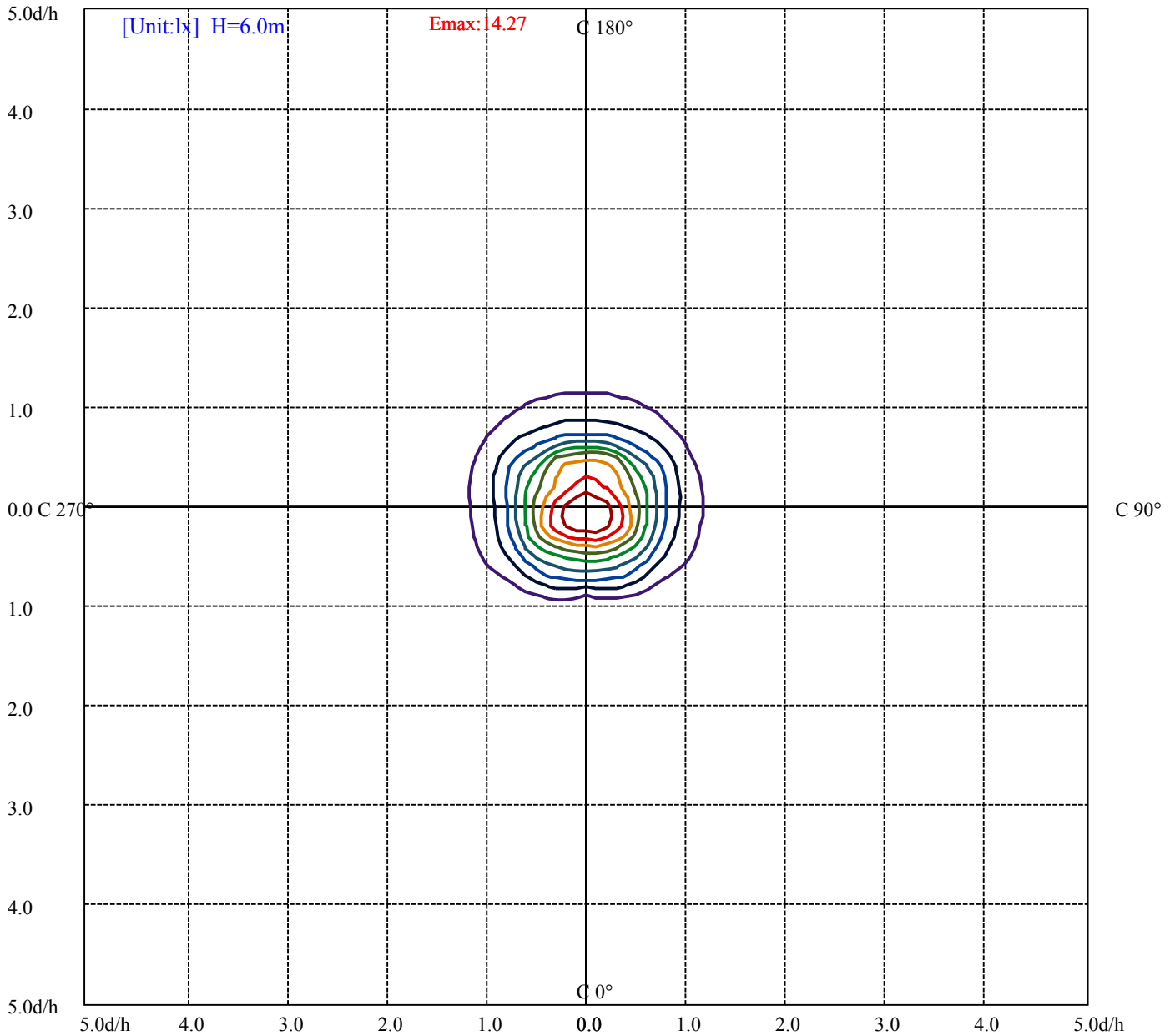
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ISO illuminance diagram

Report No.: LCS1405220953S



(10%Emax) 1.427067	—
(20%Emax) 2.854139	—
(30%Emax) 4.281195	—
(40%Emax) 5.708278	—
(50%Emax) 7.135334	—
(60%Emax) 8.562389	—
(70%Emax) 9.989472	—
(80%Emax) 11.41653	—
(90%Emax) 12.84361	—

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(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	522.89	508.46	515.42	504.34	486.69	458.61	424.73	373.33	298.74
30.0	511.94	501.89	477.03	457.58	449.85	444.82	430.78	412.23	354.26
60.0	515.55	484.24	454.87	453.46	473.81	504.34	486.05	342.54	267.18
90.0	518.12	487.98	466.98	454.10	492.75	491.59	439.54	291.01	243.60
120.0	517.74	489.27	460.67	445.08	460.54	495.32	480.64	356.07	266.92
150.0	519.54	505.76	460.03	442.89	439.28	434.90	433.36	408.50	372.55
180.0	522.89	507.30	500.22	497.38	473.17	462.34	420.22	371.14	287.02
210.0	511.94	511.30	515.55	517.09	525.72	514.90	456.68	420.09	310.33
240.0	515.55	512.71	521.86	527.66	480.12	420.73	378.35	356.84	306.60
270.0	518.12	518.12	526.24	494.68	471.75	393.94	367.02	329.53	170.17
300.0	517.74	518.25	522.38	540.67	492.62	445.73	388.92	363.28	309.56
330.0	519.54	516.45	528.17	526.24	523.28	518.90	456.16	412.36	304.79
360.0	522.89	508.46	515.42	504.34	486.69	458.61	424.73	373.33	298.74
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	229.43	178.16	130.37	117.87	88.89	45.99	23.19	8.24	2.19
30.0	280.58	175.84	105.89	73.94	55.26	28.99	5.54	4.38	6.83
60.0	224.15	182.28	147.89	19.45	12.24	5.15	4.51	6.05	7.47
90.0	200.06	171.46	136.68	20.87	7.60	4.51	3.61	3.61	2.32
120.0	231.62	190.01	157.03	49.34	13.66	5.80	3.48	4.25	6.18
150.0	290.11	208.05	118.39	88.24	58.74	45.60	8.50	4.77	5.67
180.0	216.81	174.68	133.20	116.71	91.08	43.41	17.91	4.38	2.06
210.0	233.94	168.37	108.21	45.73	7.34	6.44	5.15	3.99	0.64
240.0	165.41	20.61	8.12	4.51	5.67	9.02	3.99	0.77	0.39
270.0	27.70	11.59	4.12	4.64	6.18	4.12	1.16	0.52	0.13
300.0	155.36	20.61	8.24	5.93	7.60	11.85	4.90	0.52	0.26
330.0	221.96	166.18	98.81	52.43	8.37	5.80	7.09	4.38	1.03
360.0	229.43	178.16	130.37	117.87	88.89	45.99	23.19	8.24	2.19
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	1.67	1.42	0.26	0.52	0.64	0.90	1.16	1.55	1.93
30.0	3.48	0.64	0.26	0.26	0.52	0.64	0.90	1.29	1.55
60.0	0.64	0.13	0.13	0.13	0.13	0.39	0.64	0.90	1.29
90.0	0.26	0.13	0.13	0.13	0.13	0.26	0.52	0.64	1.03
120.0	0.90	0.13	0.13	0.13	0.13	0.39	0.64	0.90	1.29
150.0	3.35	0.77	0.13	0.26	0.39	0.64	0.90	1.29	1.55
180.0	1.29	0.64	0.39	0.39	0.64	0.90	1.16	1.55	1.80
210.0	0.26	0.13	0.26	0.39	0.64	0.90	1.03	1.29	1.80
240.0	0.13	0.13	0.13	0.26	0.39	0.64	1.03	1.42	1.67
270.0	0.13	0.13	0.13	0.26	0.52	0.77	0.90	1.29	1.67
300.0	0.13	0.13	0.13	0.26	0.52	0.90	1.16	1.42	1.67
330.0	0.26	0.26	0.26	0.39	0.64	0.90	1.16	1.55	1.80
360.0	1.67	1.42	0.26	0.52	0.64	0.90	1.16	1.55	1.93
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	2.06	2.45	2.83	2.96	3.22	3.35	3.48	3.61	3.74
30.0	1.80	2.06	2.32	2.58	2.83	2.96	3.22	3.61	3.74
60.0	1.67	1.93	2.06	2.45	2.71	2.96	3.22	3.48	3.74
90.0	1.42	1.80	2.06	2.45	2.71	3.09	3.22	3.48	3.61
120.0	1.67	1.93	2.32	2.58	2.71	2.96	3.22	3.48	3.74
150.0	1.80	2.19	2.45	2.71	2.83	2.96	3.22	3.61	3.74
180.0	2.06	2.45	2.71	2.83	3.09	3.09	3.48	3.61	3.74
210.0	2.06	2.32	2.58	2.71	3.09	3.22	3.48	3.74	3.86
240.0	1.93	2.32	2.58	2.83	2.96	3.22	3.35	3.61	3.86
270.0	2.06	2.32	2.58	2.83	2.96	3.22	3.48	3.61	3.86
300.0	1.93	2.32	2.58	2.71	2.96	3.22	3.48	3.61	3.86
330.0	2.06	2.32	2.58	2.71	2.96	3.22	3.48	3.61	3.86
360.0	2.06	2.45	2.83	2.96	3.22	3.35	3.48	3.61	3.74

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	3.86
30.0	3.86
60.0	3.99
90.0	3.99
120.0	3.99
150.0	3.86
180.0	3.86
210.0	3.86
240.0	3.99
270.0	3.99
300.0	3.99
330.0	3.86
360.0	3.86

Equipment:
Temperature(°C): 25.3

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

Operator:
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Photos of Sample

