

# Garage **Wide Beam**

55W



- GARAGES
- HOUSING
- GARDENS
- GAS STATIONS
- GYMS
- PARKING
- TUNNELS
- FACTORY & WAREHOUSES



# Garage Wide Beam

55W

## LED WIDE BEAM CANOPY GARAGE LIGHT

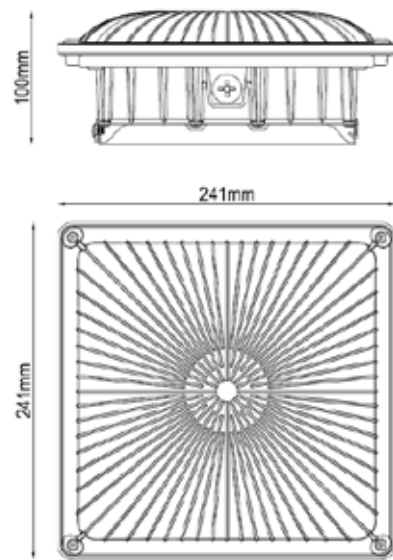
LED lighting will make your business pop! A visually appealing, well-illuminated environment ensures patron and employee safety and will attract more customers to your establishment.

LED fixtures are long-lasting, maintenance-free and far more economical to operate than traditional sources.

Perfect for lower ceilings, our Wide Beam Canopy Garage Lights 55W, 6,500 lumens cast powerful illumination to better light larger areas.

LED Waves Garage Lights are ideal for:

- Service & Gas Stations
- Outside & Underground Parking Facilities
- Tunnels
- Factory & Warehouse Floors



LED Waves Wide Beam Canopy Garage Lights can maximize the presence of your facility and brand.

Engineered for use in gas and service stations, outside and underground parking lots, factories and warehouses any commercial area requiring a large cast for optimum safety and security.

These long-lasting LEDs install in seconds, offer dramatic energy savings and are virtually maintenance-free.

LED Waves Garage luminaires are available as 55W and 100W; always in stock for prompt and hassle-free delivery.



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SKU	Watts	Lm/W	Lumens	Kelvin	CRI	# of LED	Viewing °	Voltage	Hertz
LW-PG-55W-AAN-5000K	55	113	6,500	5,000	>70	84	115°	100-277VAC	50/60Hz

**Equivalents**

SKU	CFL	MHL	HPS	HID	Chips	LxWxD mm
LW-PG-55W-AAN-5000K	150W	200W	200W	200W	PHILIPS LUMILEDS(high CRI)	241x241x100

Specifications common to all

Operating Temperature	-20°C TO 45°C	Chips	3030 2D (1.5W)
Operating Humidity	20% -90% RH	Materials	Aluminium
Storage Humidity	10%-95%	Safety Certification	UL, cUL
Warranty	5 Years	Performance Certification	DLC
Applications	Indoor/Outdoor	Power Factor	> 0.9
Cover	Stripe lens	IP Rating	IP65
		Housing Color	White

**Applications**

- Outdoor & Indoor Commercial Area Lighting
- Service & Gas Stations
- Factories & Warehouses
- Outdoor & Underground Parking Facilities
- Large Areas Requiring Safe and Well-illuminated Lighting

**Advantages**

- Easy Installation, Universally Accepted Surface Mounts
- Powerful, Long-lasting, Environmentally Friendly LED illumination  
Reduces Energy Usage by 70%
- Waterproof Housing Is Virtually Maintenance-free
- Naturally Directional—180° Direct Lighting Casts Avoids Loss Associated with Ambient Light
- DLC Performance Certified; UL, cUL Safety Certified



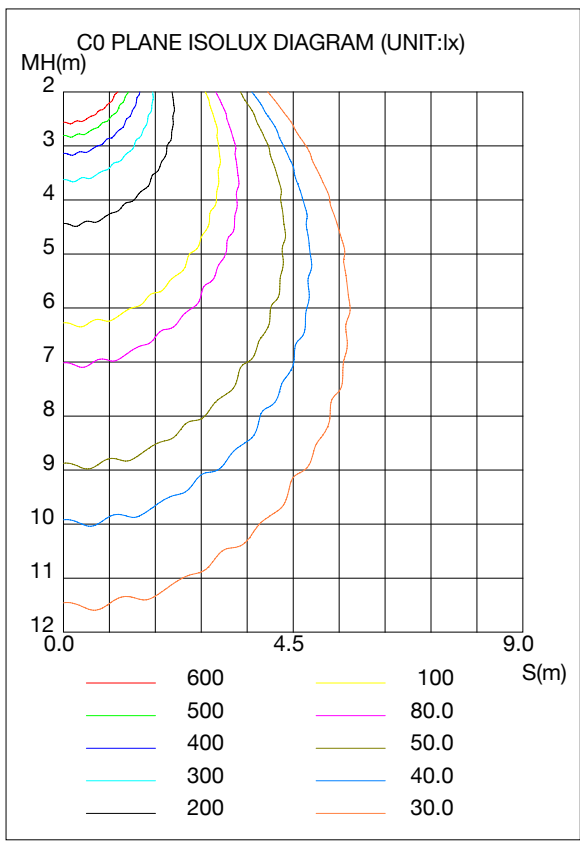
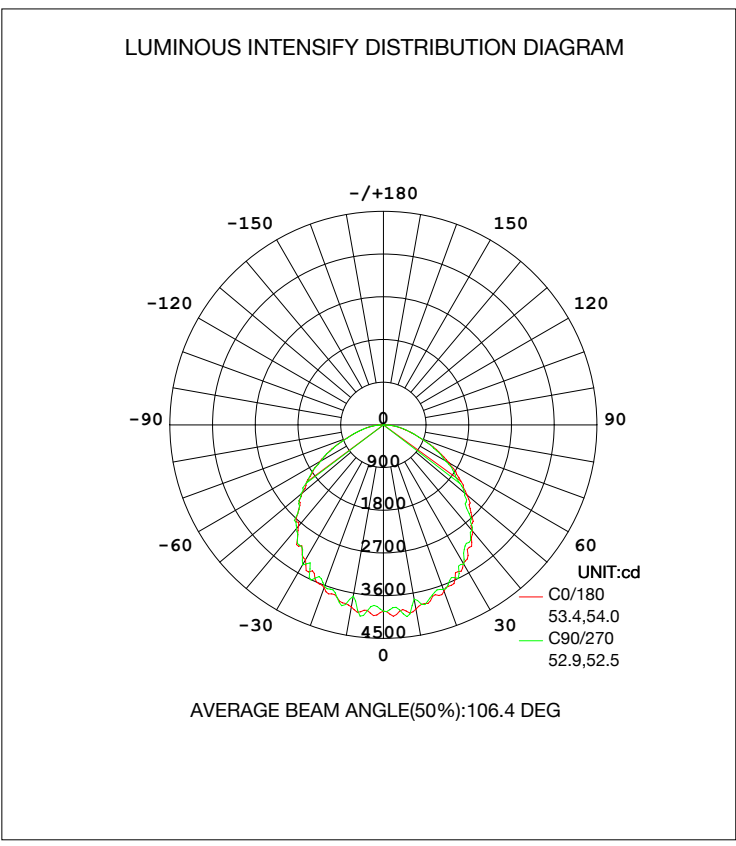
# Garage Wide Beam

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## LUMINAIRE PHOTOMETRIC TEST REPORT

DATA OF LAMP		PHOTOMETRIC DATA			Ett: 105.64 lm/W
		lmax (cd)	4,069	*S / MH (C0/180)	1.25
NOMINAL POWER (W)	100	****LOR (%)	100	*S / MH (C90/270)	1.25
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	10,691	η UP, DN (C0-180)	0.2, 50
NOMINAL FLUX (lm)	10,691.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 49.7
LAMPS INSIDE	1	η up (%)	0.3	**CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	120	η down (%)	99.7	***CIBSE SHR MAX	1.35

- \* Spacing Mounting Height Ratio (S/MH)  
i.e. for example if the fixtures are 10ft high the recommended spacing would be 12.5ft (180°)
- \*\* Spacing Height Ratio Nominal  
i.e. for example if the fixtures are 10ft high the recommended spacing would be 12.5ft (90/270°)
- \*\*\* Spacing Height Ratio Maximum
- \*\*\*\* Light Output Ratio



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators:Leo  
 Test Date:2017-02-18

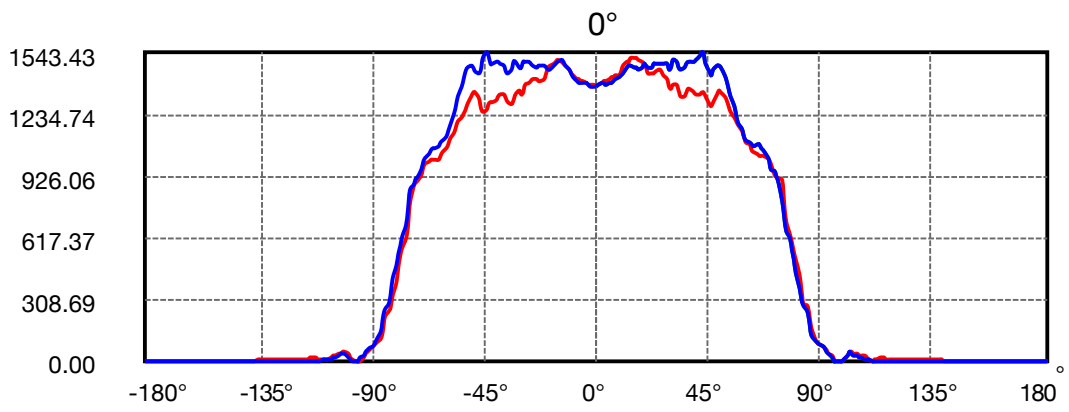
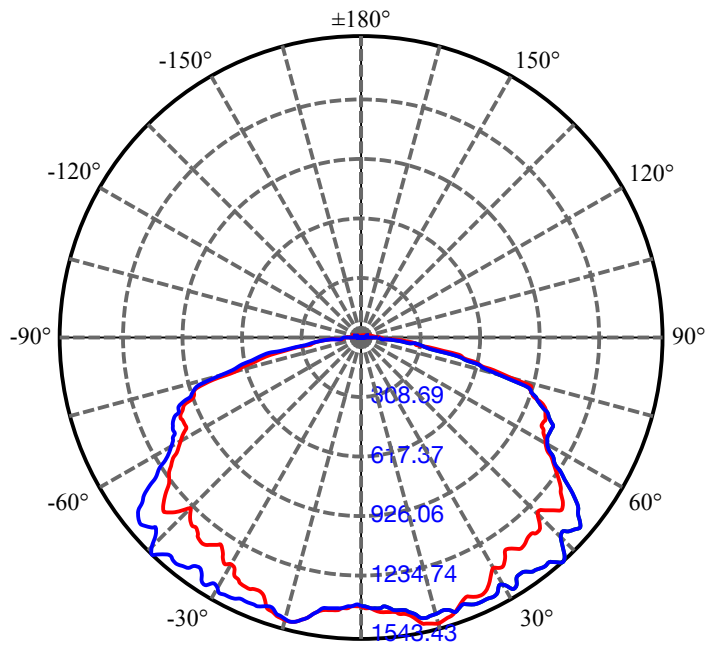
Y Range: 0 - 180DEG  
 Y Interval: 1.0DEG  
 Test System : EVERFINE GO-R5000\_V2 SYSTEM V2.0.284  
 Humidity : 60.0%  
 Test Distance:26.000m [K=1.3598]  
 Remarks :

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55W-4000K

Light Distribution Curve ( Unit: cd)



C90(Max): —————  
 C0/C180: —————  
 C90/C270: —————

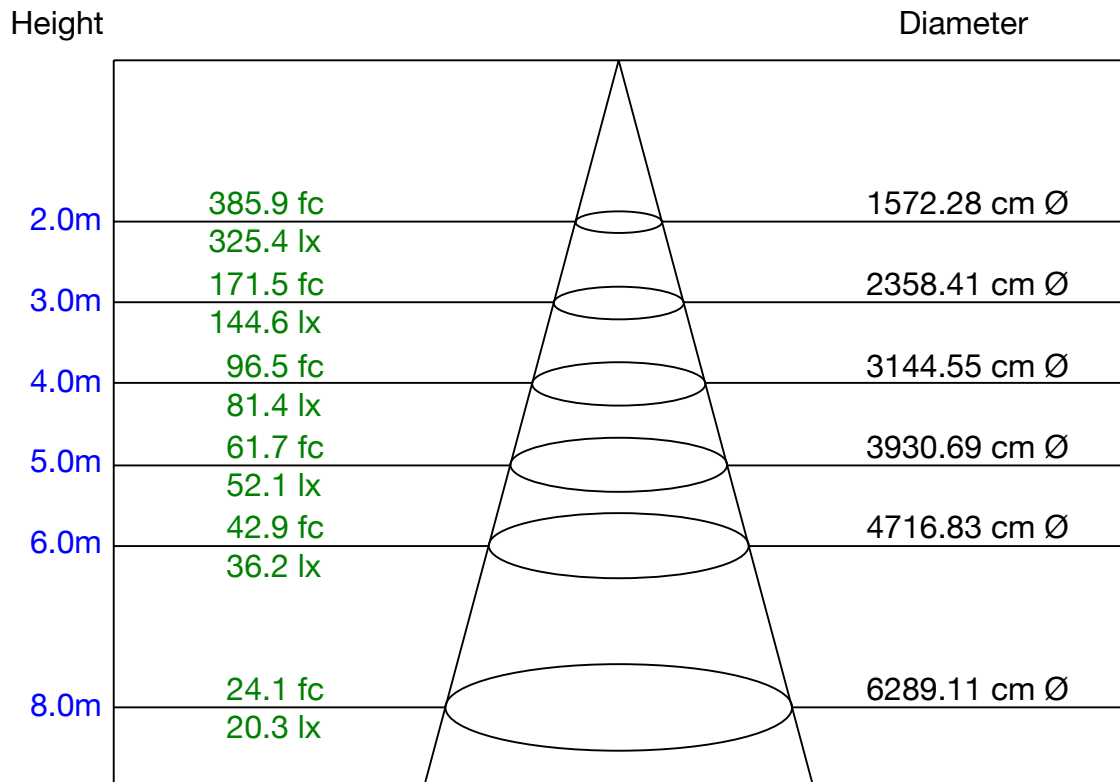
Field angle(10%Imax):C0/180Left:100.0 Right:71.4  
 :C90/270Left:128.0 Right:43.8  
 Beam Angle(50%Imax):C0/180Left:89.2 Right:60.4  
 :C90/270Left:116.8 Right:32.3



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55W-4000K  
Lux Distance Curve



Max , Ave Beam angle of C90plane151.44

Equipment: Goniophotomete  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

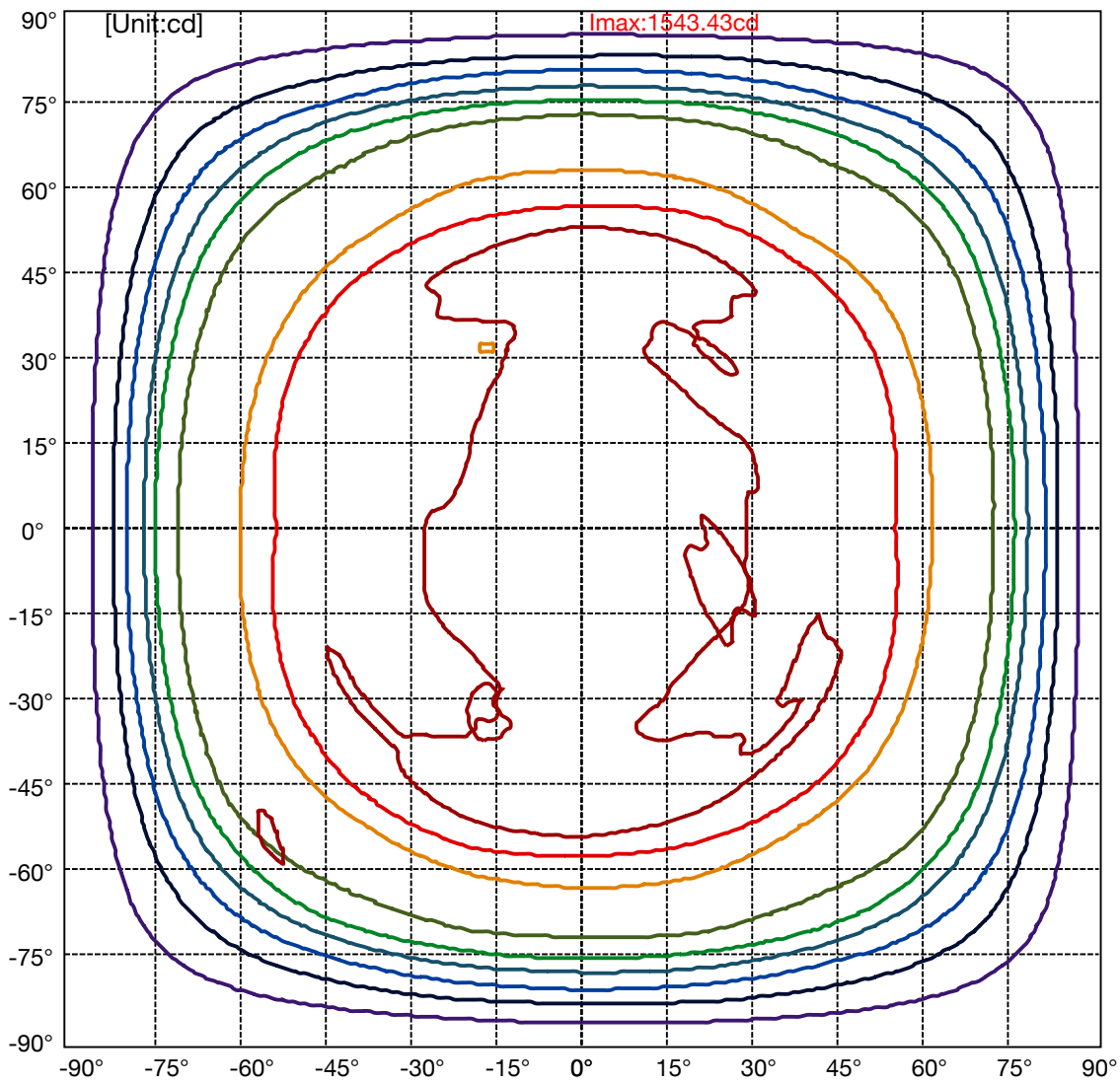
Distance(m): 9.33



# Garage Wide Beam

55W

55W-4000K



(10% I <sub>max</sub> ) 154.343	—
(20% I <sub>max</sub> ) 308.686	—
(30% I <sub>max</sub> ) 463.029	—
(40% I <sub>max</sub> ) 617.371	—
(50% I <sub>max</sub> ) 771.714	—
(60% I <sub>max</sub> ) 926.057	—
(70% I <sub>max</sub> ) 1080.4	—
(80% I <sub>max</sub> ) 1234.74	—
(90% I <sub>max</sub> ) 1389.09	—

Equipment: Goniophotomete  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

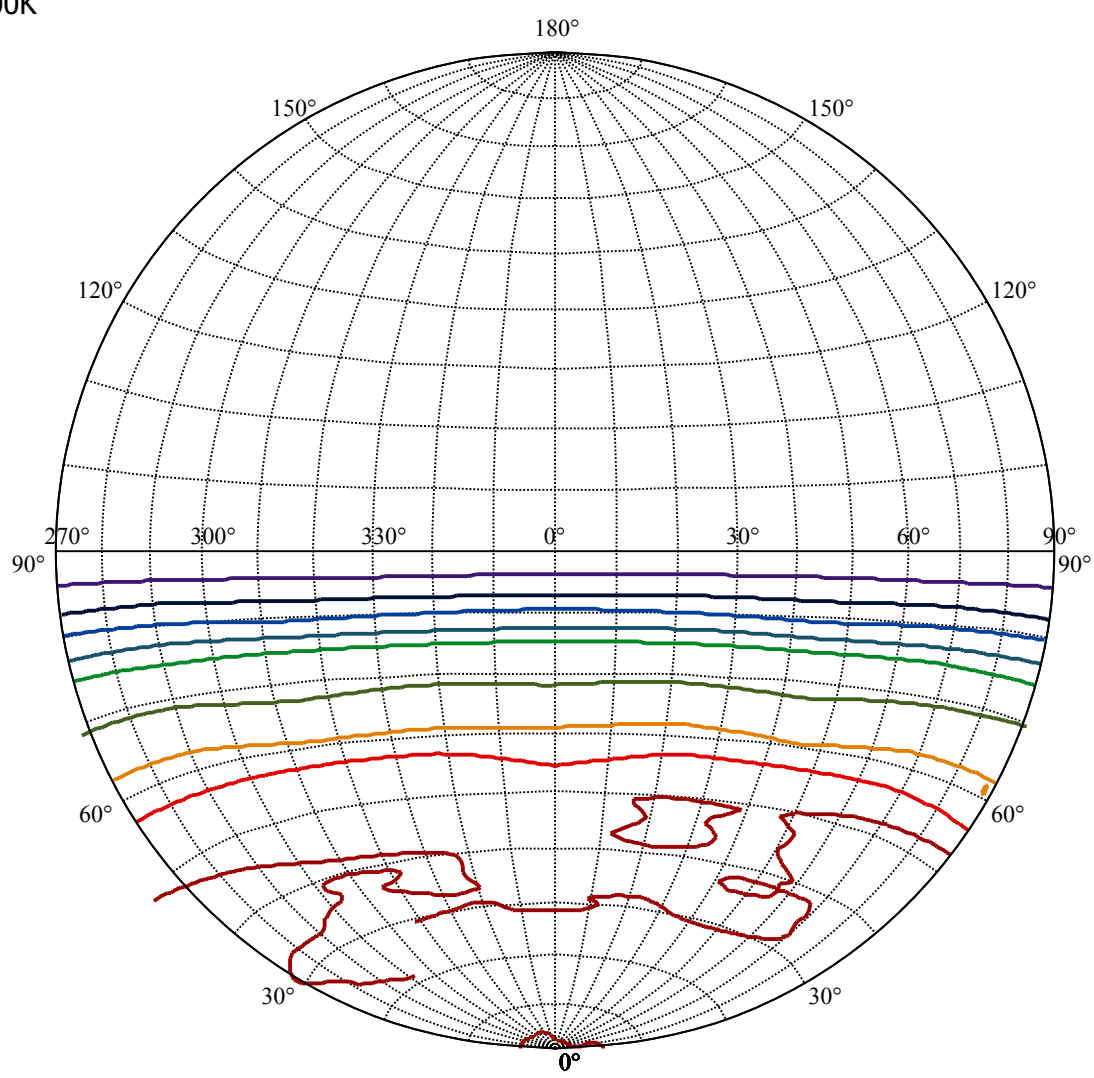
Distance(m): 9.33



# Garage Wide Beam

55W

55W-4000K



House [Unit:cd] Road  
**I<sub>max</sub>:1543.43**

(10% I <sub>max</sub> )	154.343	
(20% I <sub>max</sub> )	308.686	
(30% I <sub>max</sub> )	463.029	
(40% I <sub>max</sub> )	617.371	
(50% I <sub>max</sub> )	771.714	
(60% I <sub>max</sub> )	926.057	
(70% I <sub>max</sub> )	1080.4	
(80% I <sub>max</sub> )	1234.74	
(90% I <sub>max</sub> )	1389.09	

Equipment: Goniophotomete  
 Temperature(°C): 0.0

Date: 2017  
 Humidity(%): 0.0%

Distance(m): 9.33

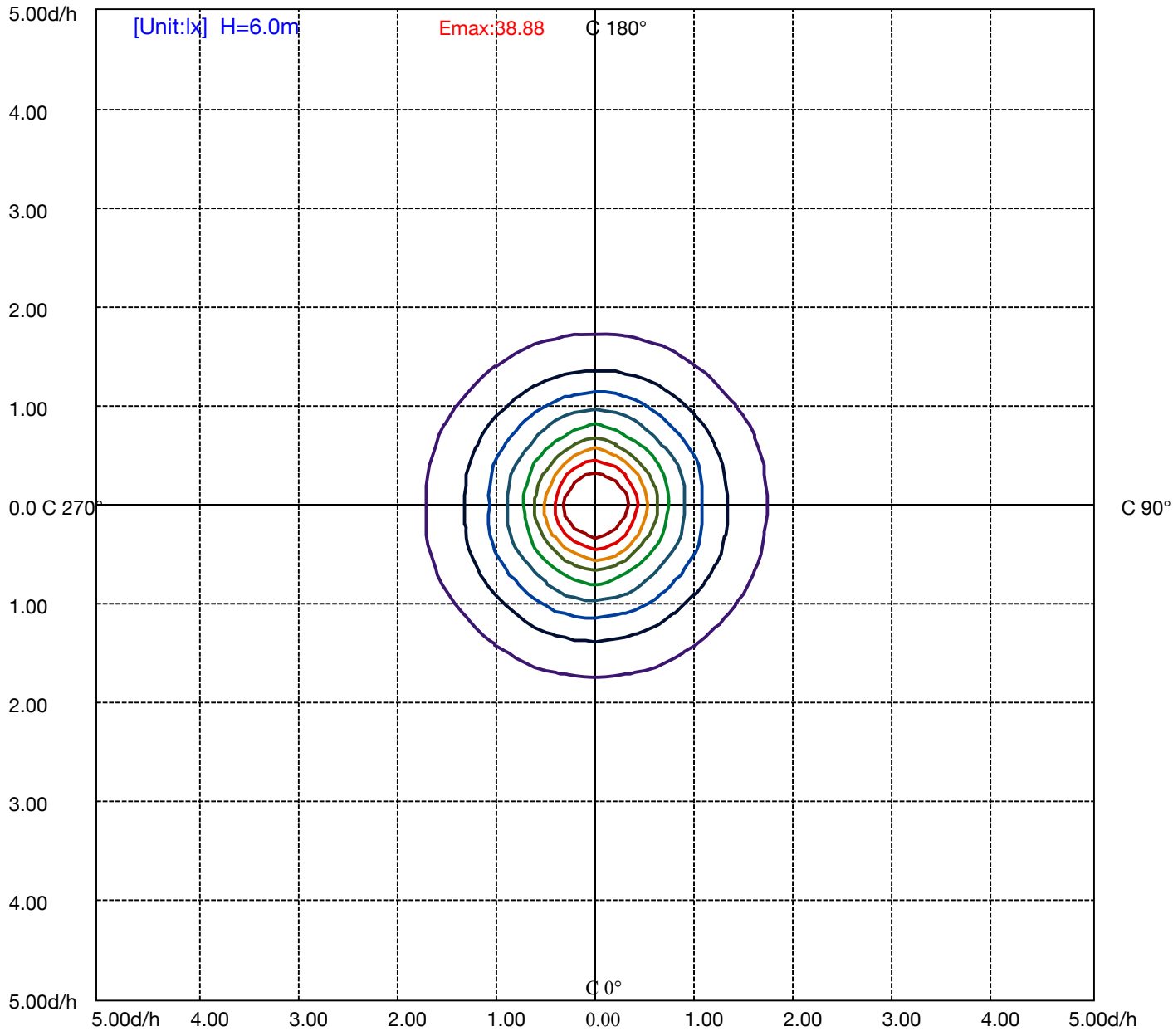




# Garage Wide Beam

55W

55W-4000K



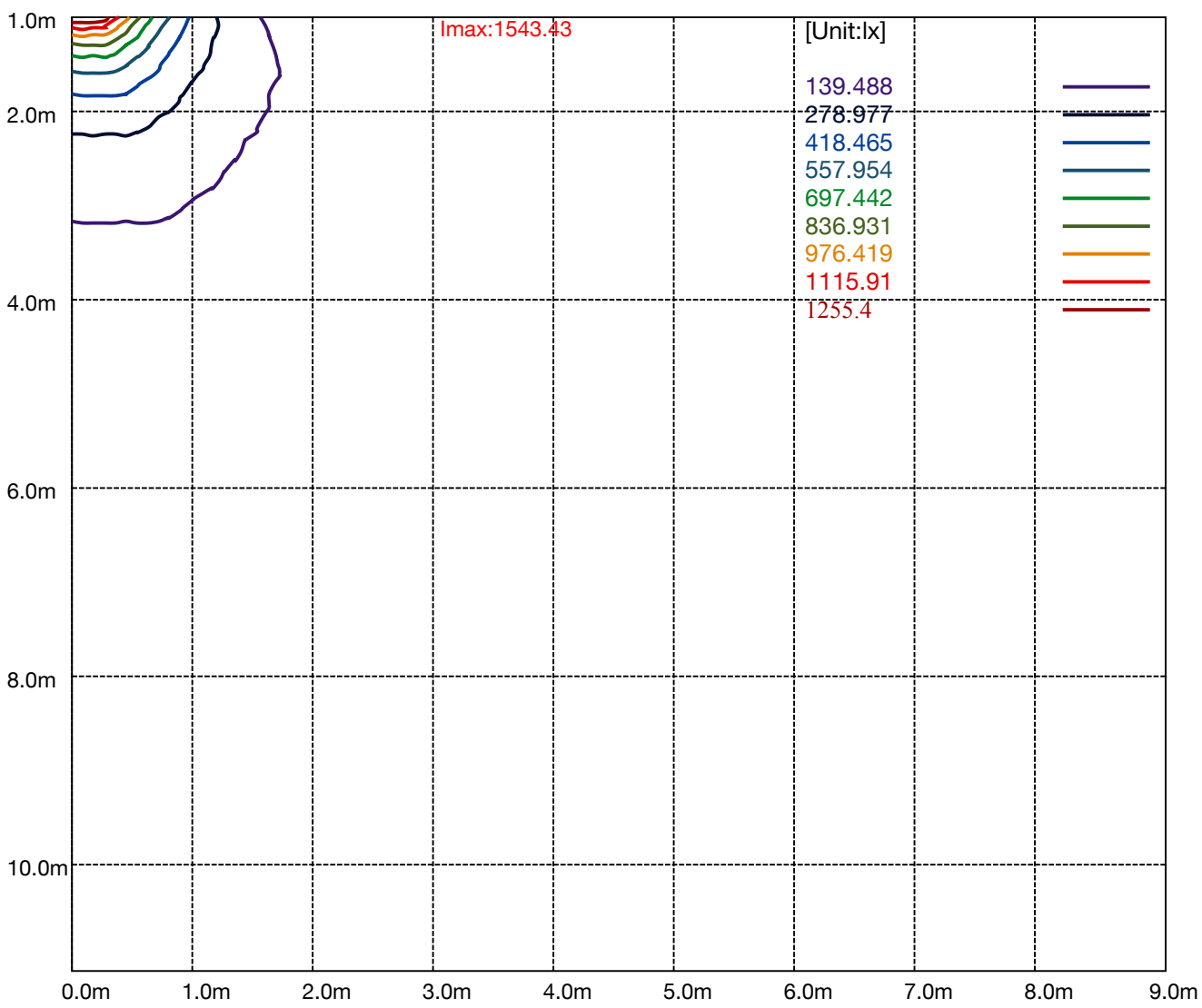
(10%Emax)	3.887694	—
(20%Emax)	7.775417	—
(30%Emax)	11.66311	—
(40%Emax)	15.55081	—
(50%Emax)	19.4385	—
(60%Emax)	23.32622	—
(70%Emax)	27.21392	—
(80%Emax)	31.10167	—
(90%Emax)	34.98944	—



# Garage Wide Beam

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55W-4000K



Equipment: Goniophotomete  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

Distance(m): 9.33



# Garage Wide Beam

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55W-4000K

Luminance Limiting Curve(no luminous side)

Luminance Table

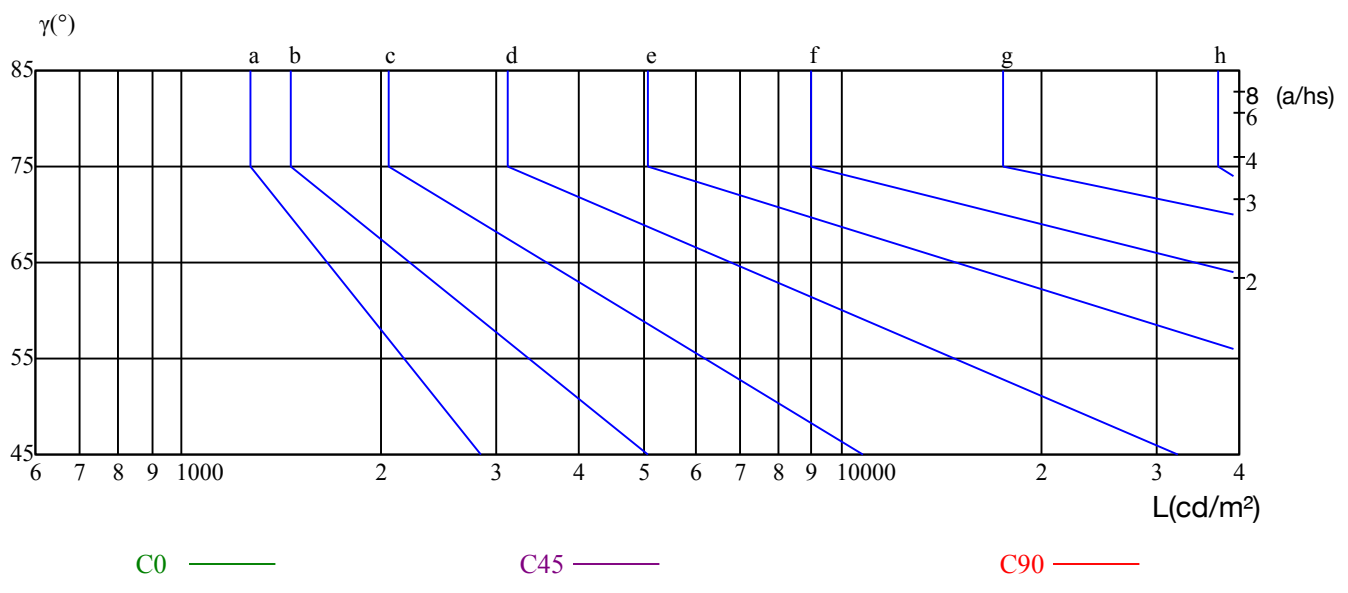
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C45	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

L x (65)	L y (65)	L45(65)	L x (75)	L y (75)	L45(75)	L x (85)	L y (85)	L45(85)
0	0	0	0	0	0	0	0	0

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

Luminance Limiting Curve



Equipment: Goniophotomete  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

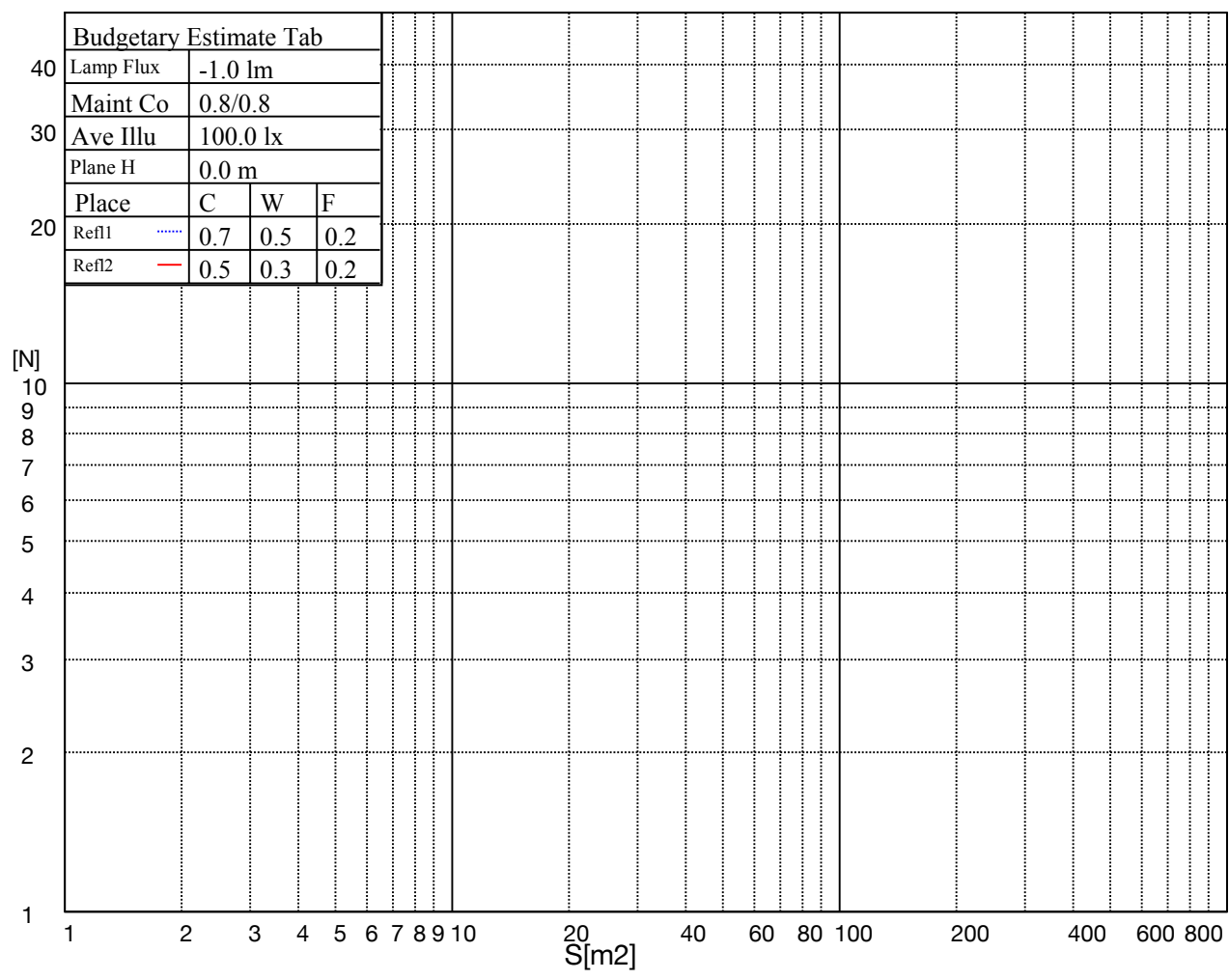
Distance(m): 9.33



# Garage Wide Beam

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55W-4000K  
Budgetary Estimate Table



Equipment: Goniophotomete  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

Distance(m): 9.33



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55W-4000K  
Utilization factor table for indoor luminaire

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Equipment: Goniophotometre  
Temperature(°C): 0.0

Date: 2017  
Humidity(%): 0.0%

Distance(m): 9.33



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LedWaves **Waves Of The Future**

**Customer safety and satisfaction is paramount at LED Waves.**

Please do not hesitate to contact us

TOLL-FREE at  
**1-800- 986-0169**

Professional grade technical support  
and Consultations

**LED Waves** is a Service Disabled Veteran Owned Small Business.

