



T629LEDB

MEDIUM LED WALL PACK

JOB INFORMATION

Type: _____
 Catalog No: _____
 Project Name: _____
 Comments: _____
 Prepared by: _____

T629LEDB

FEATURES

USE OF PRODUCT

The intended use of this product is for any outdoor commercial or industrial building accent decorative wall mount or public access area, recreation areas, stairwell & corridor applications.

HOUSING

Rugged die cast aluminum housing hinged front frame. 1/2" coin plugs with O-rings for conduit & photocell.

FINISH

Matt-finished, architectural bronze powdercoat over a precise chromate conversion coating. Available in standard dark polyester bronze or consult factory for made to order architectural finishes.

OPTICS

Specular anodized aluminum reflector with polycarbonate lens for shock resistance. Sealed by a one-piece silicon gaskets prohibits entrance of outside contaminants.

LED

High output LEDs offer a minimum estimated operating life of 50,000 hours in 3000K, 3500K, 4000K (standard), or 5000K with CRI>83. LEDs placed on high performance aluminum heatsink for reduced junction temperatures and extended life.

DRIVER

Durable and long lasting LED driver operates at 120-277V and boasts a 90% power factor at 50 to 60 Hz with 0-10V Dimming Constant Current. Driver protections includes: Output open load, over-current and short-circuit, and over-temperature with auto recovery. -40°C Min Temp. 40°C Max Temp. step down transformer may be utilized for 480V or 347V applications.

MOUNTING

Mounted over a 4" recessed outlet box or 1/2" surface conduit.

LISTINGS/COMPLIANCE

- UL - Listed for wet location.
- CEC compliant emergency driver
- DLC



ORDERING INFO

SERIES	WATT/LUMENS	VOLTAGE	COLOR TEMPERATURE	FINISH	OPTIONS
T629LEDB	30 - 10W/3400lm	UNV ¹ - 120V-277V	40 - 4000K	BZ ³ - Bronze	PC - Photocell 120-277V
	45 - 18W/5200lm	347 ² - 347V	50 - 5000K	MTO ⁴ - Made to order	MS - Motion Sensor (Bi-Level, Integral)
	70 - 70W/8000lm	480 ² - 480V		MGTO ⁴ - Marin grade made to order	SDT - Step down transformer
					EM - Emergency battery (Integral)
					CEM - Cold pack emergency battery (Integral)
					SP10 - Surge protection 10KV
					WG - Wire guard

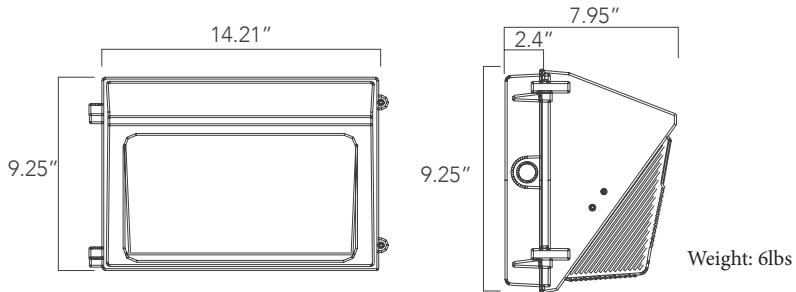
Notes

1. DLC only available in 120-277V
2. Step down transformer required.
3. Standard
4. RAL number required.

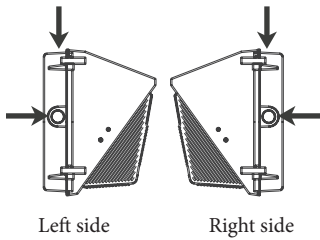
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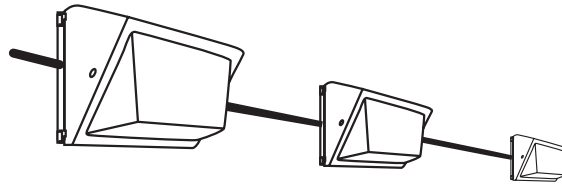
DIMENSIONS



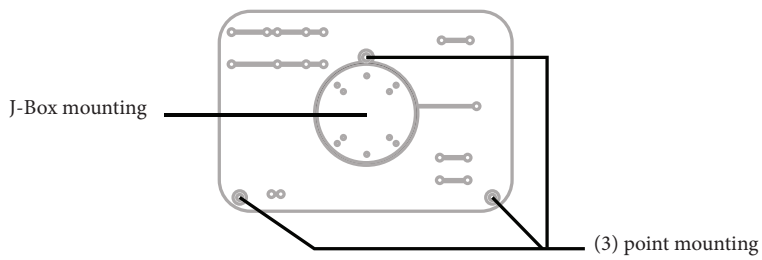
T629LED KNOCK-OUT LOCATION



FEED THROUGH CONDUIT ACCESS



MOUNTING POINTS



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PHOTOMETRICS

30W TYPE - IV

TEST DATE	8June17
SERIES	T629LEDB
DISTRIBUTION TYPES	T4
CCT	4000K
LUMENS	3306.54
WATTS	32.82

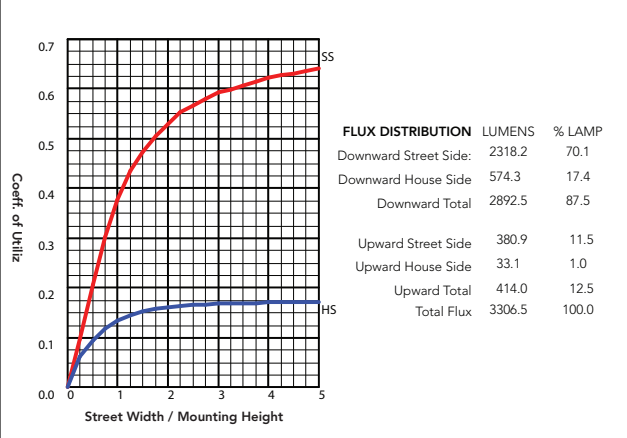
Characteristics

IES Classification:	Type III
Longitudinal Classification:	Very Short
Lumens Per Lamp:	3306.54 (1 lamp)
Total Lamp Lumens:	3306.54
Luminaire Lumens:	3307
Downward Total Efficiency:	87%
Total Luminaire Efficiency:	100 %
Luminaire Efficacy Rating (LER):	101
Total Luminaire Watts:	32.82
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.13
Maximum Candela:	1260.507
Maximum Candela Angle:	0H 33V
Maximum Candela (<90 Degrees Vertical):	1260.507
Maximum Candela (<90 Degrees Vertical):	0H 33V
Maximum Candela At 90 Degrees Vertical:	605.865 (18.3% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	754.094 (22.8% Lamp Lumens)
Cutoff Classification (deprecated):	Non-Cutoff

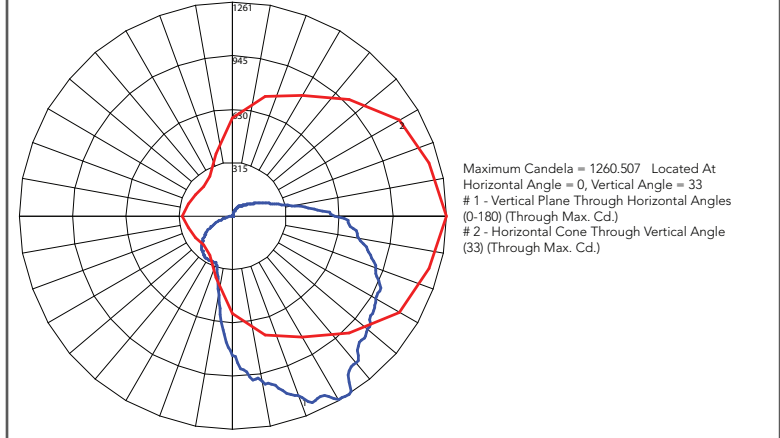
Luminaire classification system

BUG RATING	B1 - U3 - G3		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	397.4	12.0	12.0
MEDIUM(30-60):	992.0	30.0	30.0
HIGH(60-80):	685.9	20.7	20.7
VERY HIGH(80-90):	242.9	7.3	7.3
BACK LIGHT			
LOW(0-30):	178.4	5.4	5.4
MEDIUM(30-60):	277.3	8.4	8.4
HIGH(60-80):	103.1	3.1	3.1
VERY HIGH(80-90):	15.5	0.5	0.5
UP LIGHT			
LOW(90-100):	163.4	4.9	4.9
HIGH(100-180):	250.6	7.6	7.6
TOTAL	3306.5	99.9	100.0

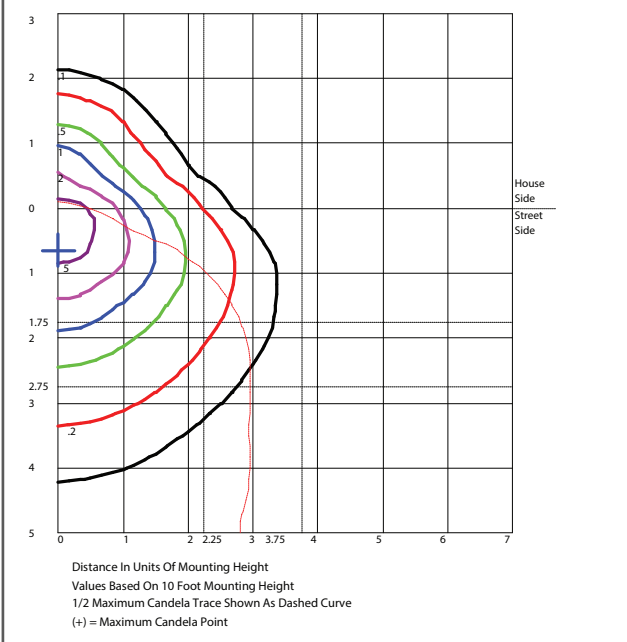
Coefficients of utilization



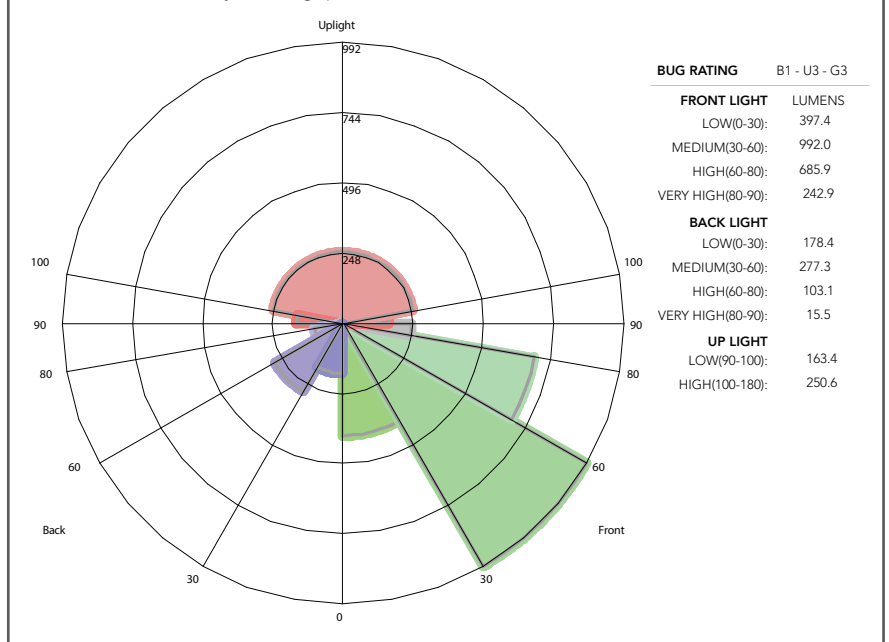
Polar graph



Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



T629LEDB

MEDIUM LED WALL PACK

PHOTOMETRICS

45W TYPE - IV

TEST DATE	8June17
SERIES	T629LEDB
DISTRIBUTION TYPES	T4
CCT	4000K
LUMENS	5203.5
WATTS	44.22

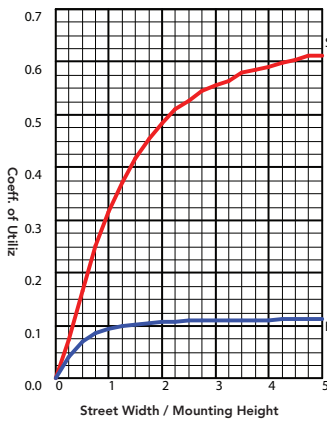
Characteristics

IES Classification:	Type III
Longitudinal Classification:	Very Short
Lumens Per Lamp:	5203.5 (1 lamp)
Total Lamp Lumens:	5203.5
Luminaire Lumens:	5204
Downward Total Efficiency:	81%
Total Luminaire Efficiency:	100 %
Luminaire Efficacy Rating (LER):	118
Total Luminaire Watts:	44.22
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.19
Maximum Candela:	2016
Maximum Candela Angle:	360H 63V
Maximum Candela (<90 Degrees Vertical):	2016
Maximum Candela (<90 Degrees Vertical):	360H 63V
Maximum Candela At 90 Degrees Vertical:	1342.22 (25.8% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	1615.29 (31.0% Lamp Lumens)
Cutoff Classification (deprecated):	Non-Cutoff

Luminaire classification system

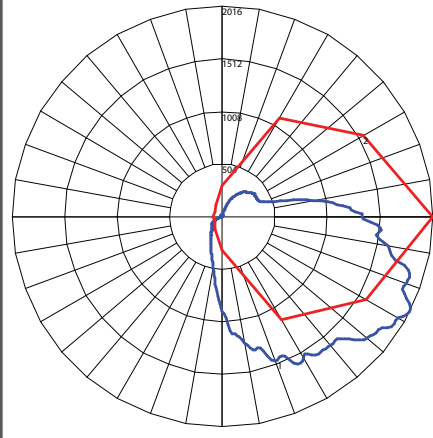
BUG RATING	B1 - U4 - G3		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	490.0	9.4	9.4
MEDIUM(30-60):	1434.6	27.6	27.6
HIGH(60-80):	1201.4	23.1	23.1
VERY HIGH(80-90):	477.4	9.2	9.2
BACK LIGHT			
LOW(0-30):	200.3	3.8	3.8
MEDIUM(30-60):	276.8	5.3	5.3
HIGH(60-80):	95.8	1.8	1.8
VERY HIGH(80-90):	21.1	0.4	0.4
UP LIGHT			
LOW(90-100):	358.0	6.9	6.9
HIGH(100-180):	648.2	12.5	12.5
TOTAL	5203.6	100.00	100.0

Coefficients of utilization



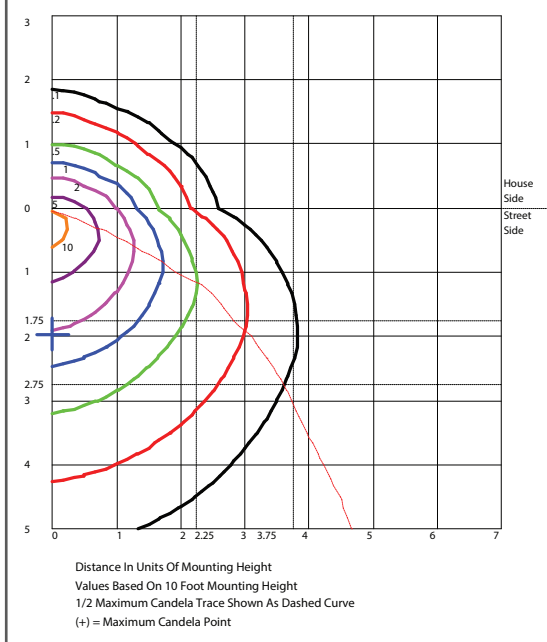
FLUX DISTRIBUTION	LUMENS	% LAMP
Downward Street Side:	3603.3	69.2
Downward House Side:	594.0	11.4
Downward Total:	4197.3	80.7
Upward Street Side:	933.9	17.9
Upward House Side:	72.3	1.4
Upward Total:	1006.2	19.3
Total Flux:	5203.5	100.0

Polar graph

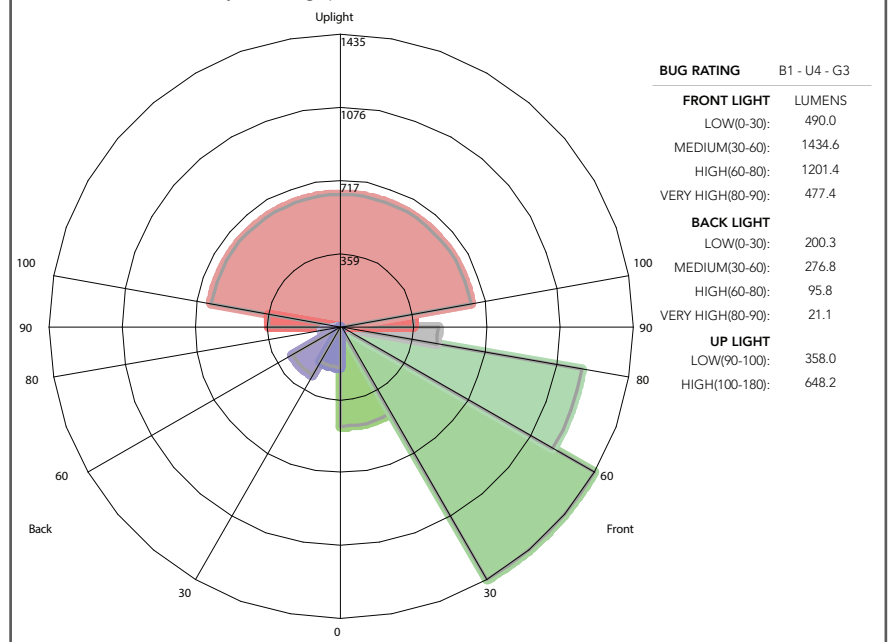


Maximum Candela = 2016 Located At
Horizontal Angle = 360, Vertical Angle = 63
1 - Vertical Plane Through Horizontal Angles
(360-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle
(63) (Through Max. Cd.)

Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



BUG RATING	B1 - U4 - G3
FRONT LIGHT	LUMENS
LOW(0-30):	490.0
MEDIUM(30-60):	1434.6
HIGH(60-80):	1201.4
VERY HIGH(80-90):	477.4
BACK LIGHT	
LOW(0-30):	200.3
MEDIUM(30-60):	276.8
HIGH(60-80):	95.8
VERY HIGH(80-90):	21.1
UP LIGHT	
LOW(90-100):	358.0
HIGH(100-180):	648.2

T629LEDB

MEDIUM LED WALL PACK

PHOTOMETRICS

70W TYPE - IV

TEST DATE	8June17
SERIES	T629LEDB
DISTRIBUTION TYPES	T4
CCT	4000K
LUMENS	7985.9
WATTS	67.29

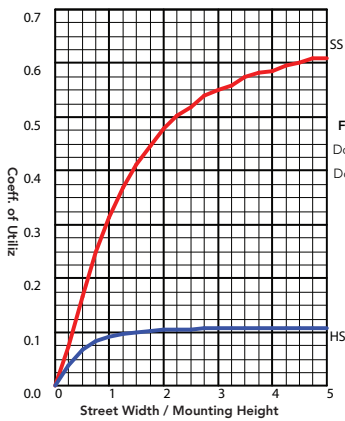
Characteristics

IES Classification:	Type III
Longitudinal Classification:	Very Short
Lumens Per Lamp:	7985.9 (1 lamp)
Total Lamp Lumens:	7985.9
Luminaire Lumens:	7986
Downward Total Efficiency:	80%
Total Luminaire Efficiency:	100 %
Luminaire Efficacy Rating (LER):	119
Total Luminaire Watts:	67.29
Ballast Factor:	1.00
Upward Waste Light Ratio:	0.20
Maximum Candela:	3054.63
Maximum Candela Angle:	360H 69V
Maximum Candela (<90 Degrees Vertical):	3054.63
Maximum Candela Angle (<90 Degrees Vertical):	360H 69V
Maximum Candela At 90 Degrees Vertical:	2252.09 (28.2% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical:	2599.51 (32.6% Lamp Lumens)
Cutoff Classification (deprecated):	Non-Cutoff

Luminaire classification system

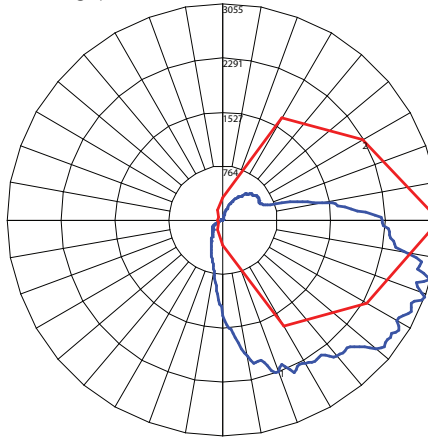
BUG RATING	B1 - U5 - G4		
	LUMENS	% LAMP	% LUMINAIRE
FRONT LIGHT			
LOW(0-30):	754.9	9.5	9.5
MEDIUM(30-60):	2169.5	27.2	27.2
HIGH(60-80):	1850.0	23.2	23.2
VERY HIGH(80-90):	747.6	9.4	9.4
BACK LIGHT			
LOW(0-30):	296.8	3.7	3.7
MEDIUM(30-60):	414.9	5.2	5.2
HIGH(60-80):	142.4	1.8	1.8
VERY HIGH(80-90):	31.2	0.4	0.4
UP LIGHT			
LOW(90-100):	562.3	7.0	7.0
HIGH(100-180):	1016.4	12.7	12.7
TOTAL	7986.0	100.1	100.0

Coefficients of utilization



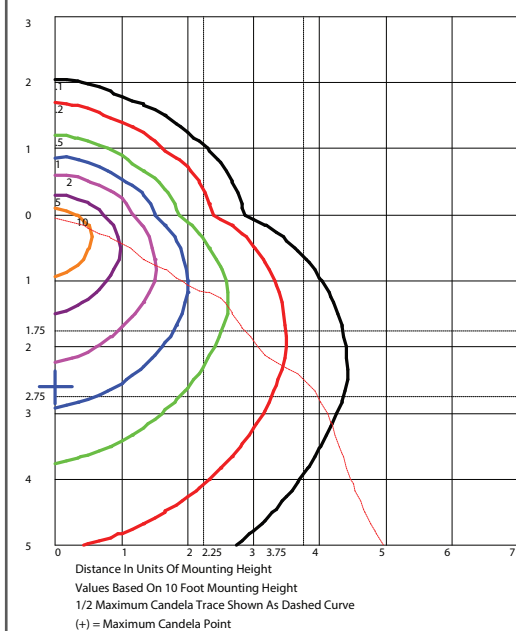
FLUX DISTRIBUTION	LUMENS	% LAMP
Downward Street Side:	5521.9	69.1
Downward House Side:	885.3	11.1
Downward Total:	6407.2	80.2
Upward Street Side:	1468.7	18.4
Upward House Side:	110.0	1.4
Upward Total:	1578.7	19.8
Total Flux:	7985.9	100.0

Polar graph

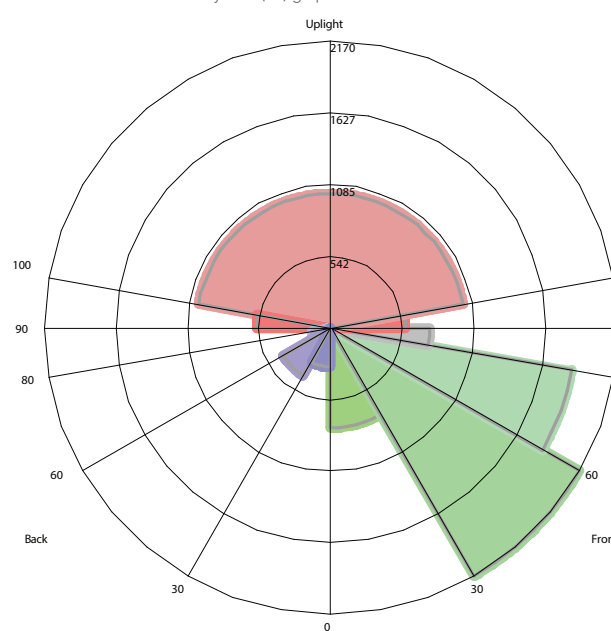


Maximum Candela = 3054.63 Located At Horizontal Angle = 360, Vertical Angle = 69
 # 1 - Vertical Plane Through Horizontal Angles (360-180) (Through Max. Cd.)
 # 2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

Isofootcandle lines of horizontal illuminance



Luminaire classification system (lcs) graph



BUG RATING	B1 - U5 - G4	
	FRONT LIGHT	LUMENS
	LOW(0-30):	754.9
	MEDIUM(30-60):	2169.5
	HIGH(60-80):	1850.0
	VERY HIGH(80-90):	747.6
	BACK LIGHT	
	LOW(0-30):	296.8
	MEDIUM(30-60):	414.9
	HIGH(60-80):	142.4
	VERY HIGH(80-90):	31.2
	UP LIGHT	
	LOW(90-100):	562.3
	HIGH(100-180):	1016.4