

**IES ROAD REPORT****PHOTOMETRIC FILENAME : SAS-12L-U-40-FTA.IES****DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[TESTDATE]

[ISSUE DATE]

[LAMP POSITION] 0,0

[MANUFAC] Industrial Lighting Products Inc

[LUMCAT] SAS-12L-U-40-FTA

[LUMINAIRE] Skyline Small, 12,000 Lumens, 4000K, Forward Throw Automotive

[LAMP] N/A

**CHARACTERISTICS**

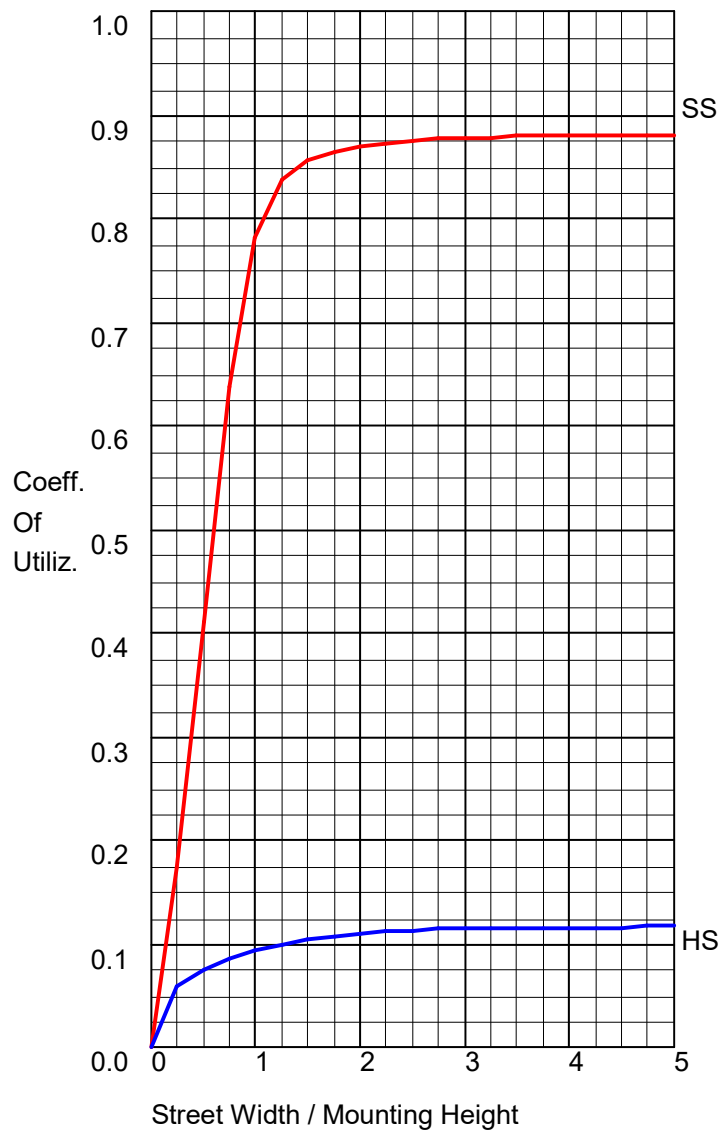
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	13685 (1 lamp)
Total Lamp Lumens	13685
Luminaire Lumens	13685
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	88.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	12031.9
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	12031.9
Maximum Candela Angle (<90 Degrees Vertical)	60H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	146.37 (1.1% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2747.5	20.1	20.1
FM - Front-Medium (30-60)	8470.3	61.9	61.9
FH - Front-High (60-80)	838.8	6.1	6.1
FVH - Front-Very High (80-90)	22.3	0.2	0.2
BL - Back-Low (0-30)	581.8	4.3	4.3
BM - Back-Medium (30-60)	791.8	5.8	5.8
BH - Back-High (60-80)	223.7	1.6	1.6
BVH - Back-Very High (80-90)	9.0	0.1	0.1
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	13685.2	100.1	100.0
BUG Rating	B2-U0-G1		

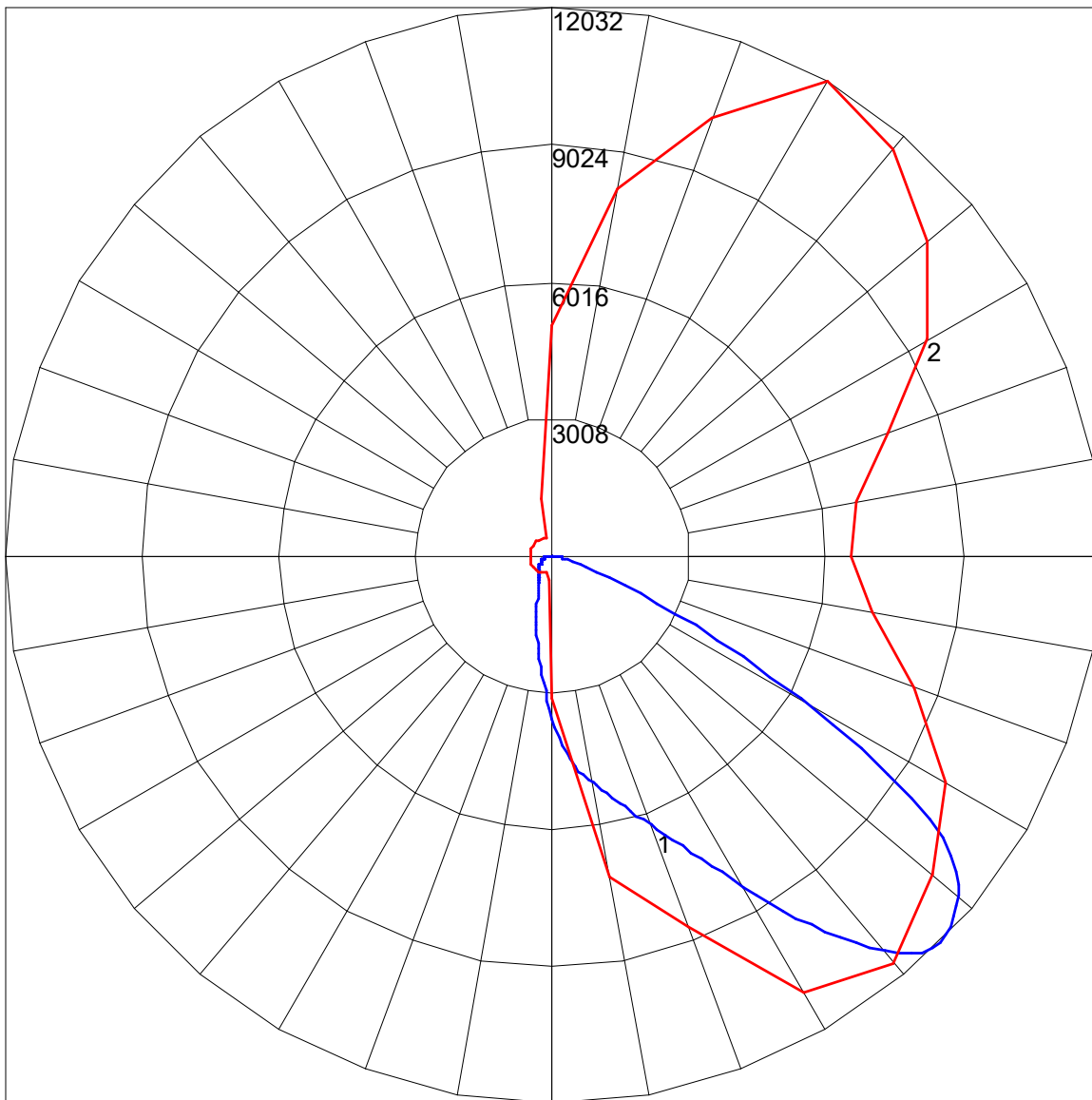
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

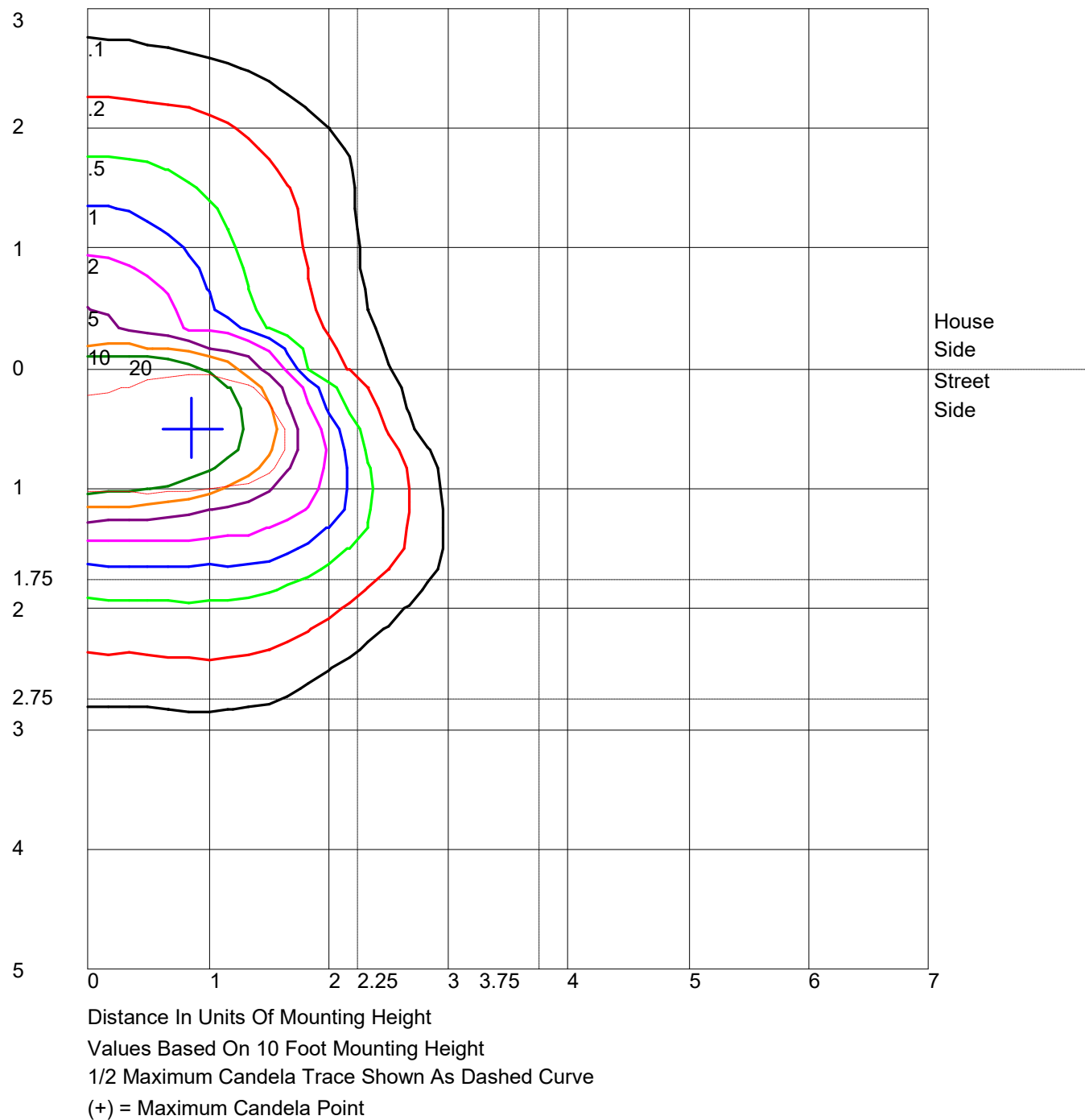
	Lumens	Percent Of Lamp
Downward Street Side	12078.8	88.3
Downward House Side	1606.3	11.7
Downward Total	13685.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	13685.1	100.0

POLAR GRAPH

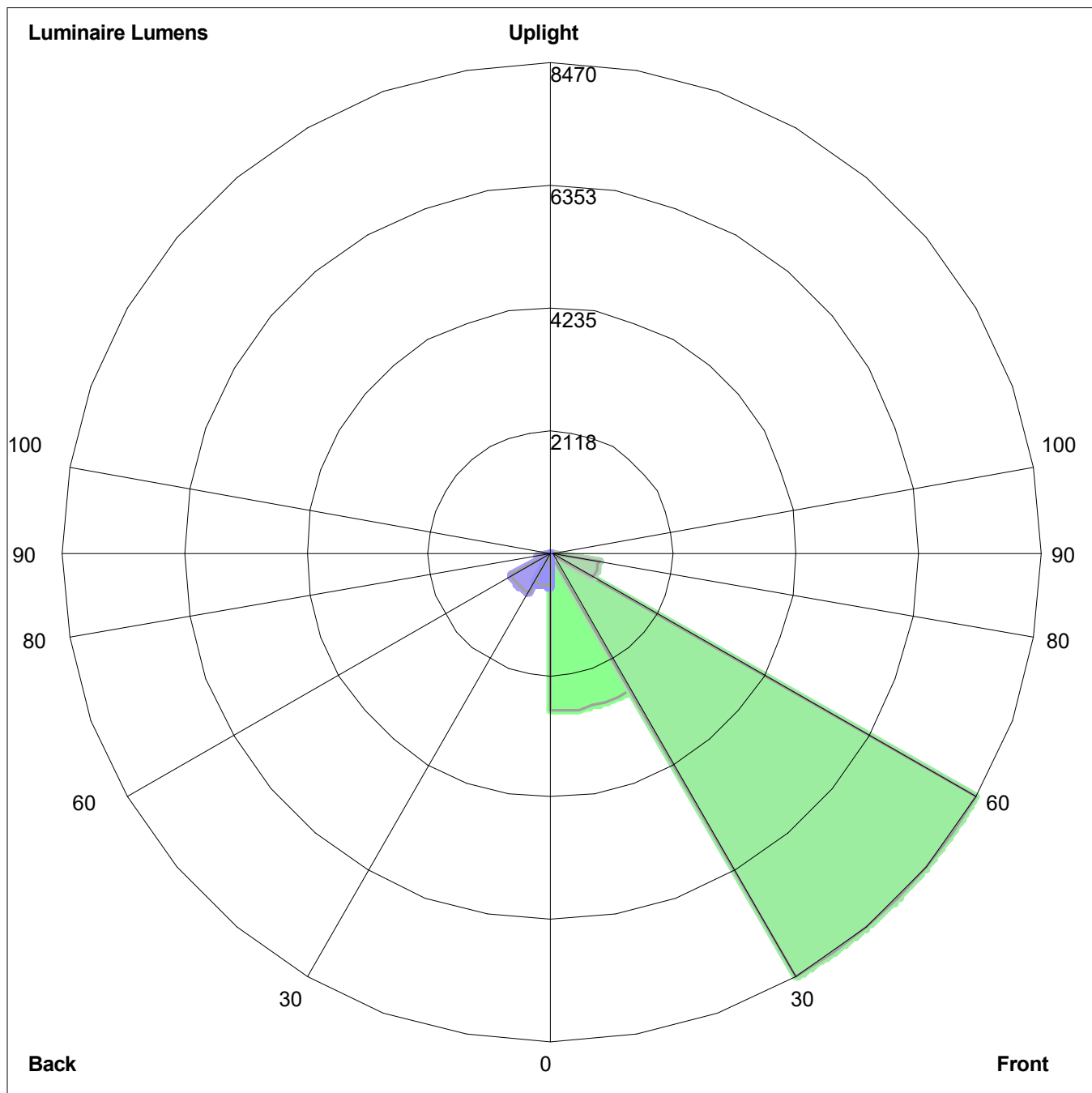


Maximum Candela = 12031.9 Located At Horizontal Angle = 60, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2747.5, Medium=8470.3, High=838.8, Very High=22.3  
Back: Low=581.8, Medium=791.8, High=223.7, Very High=9.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1