

### IES ROAD REPORT

PHOTOMETRIC FILENAME : SAM-42L-U-40-T3.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]  
[TESTLAB]  
[TESTDATE]  
[ISSUEDATE]  
[LAMPPOSITION] 0,0  
[MANUFAC] Industrial Lighting Products Inc  
[LUMCAT] SAM-42L-U-40-T3  
[LUMINAIRE] Skyline Medium, 42,000 Lumens, 4000K, Type 3 Optic  
[LAMP] N/A

### CHARACTERISTICS

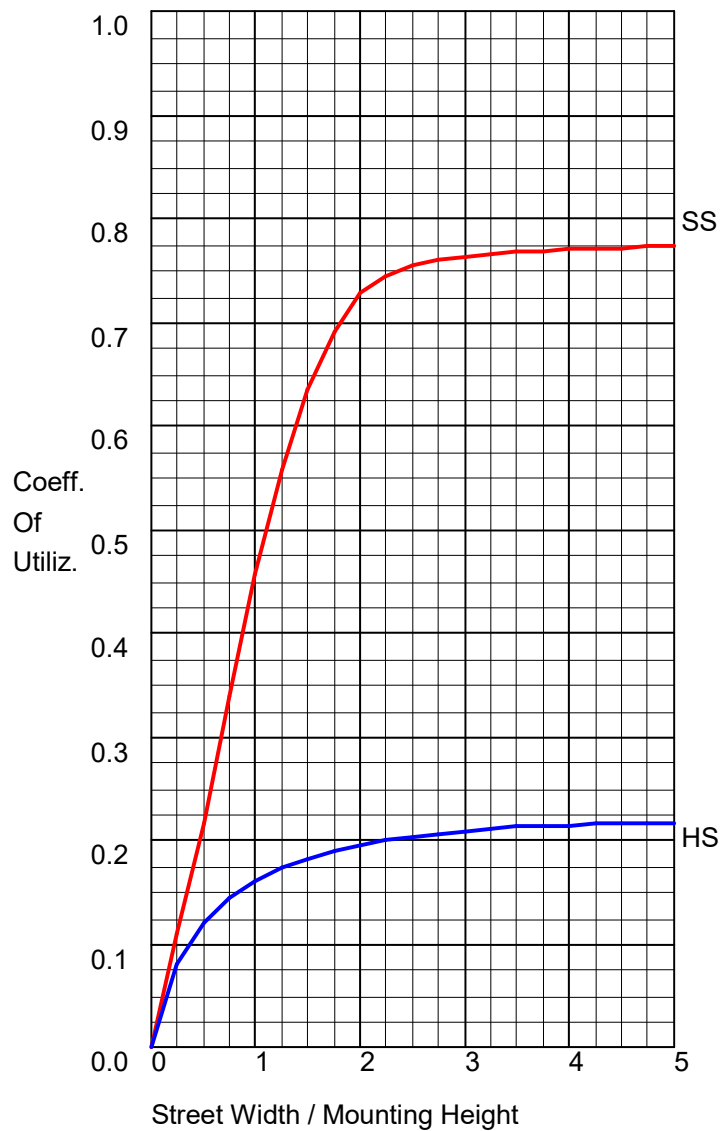
IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	41687 (1 lamp)
Total Lamp Lumens	41687
Luminaire Lumens	41687
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	271.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	30006.2
Maximum Candela Angle	300H 65V
Maximum Candela (<90 Degrees Vertical)	30006.2
Maximum Candela Angle (<90 Degrees Vertical)	300H 65V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3107.53 (7.5% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2680.1	6.4	6.4
FM - Front-Medium (30-60)	16568.7	39.7	39.7
FH - Front-High (60-80)	12879.6	30.9	30.9
FVH - Front-Very High (80-90)	361.8	0.9	0.9
BL - Back-Low (0-30)	1592.4	3.8	3.8
BM - Back-Medium (30-60)	4708.7	11.3	11.3
BH - Back-High (60-80)	2738.9	6.6	6.6
BVH - Back-Very High (80-90)	156.5	0.4	0.4
UL - Uplight-Low (90-100)	0.0	0.0	0.0
UH - Uplight-High (100-180)	0.0	0.0	0.0
Total	41686.7	100.0	100.0
BUG Rating	B4-U0-G5		

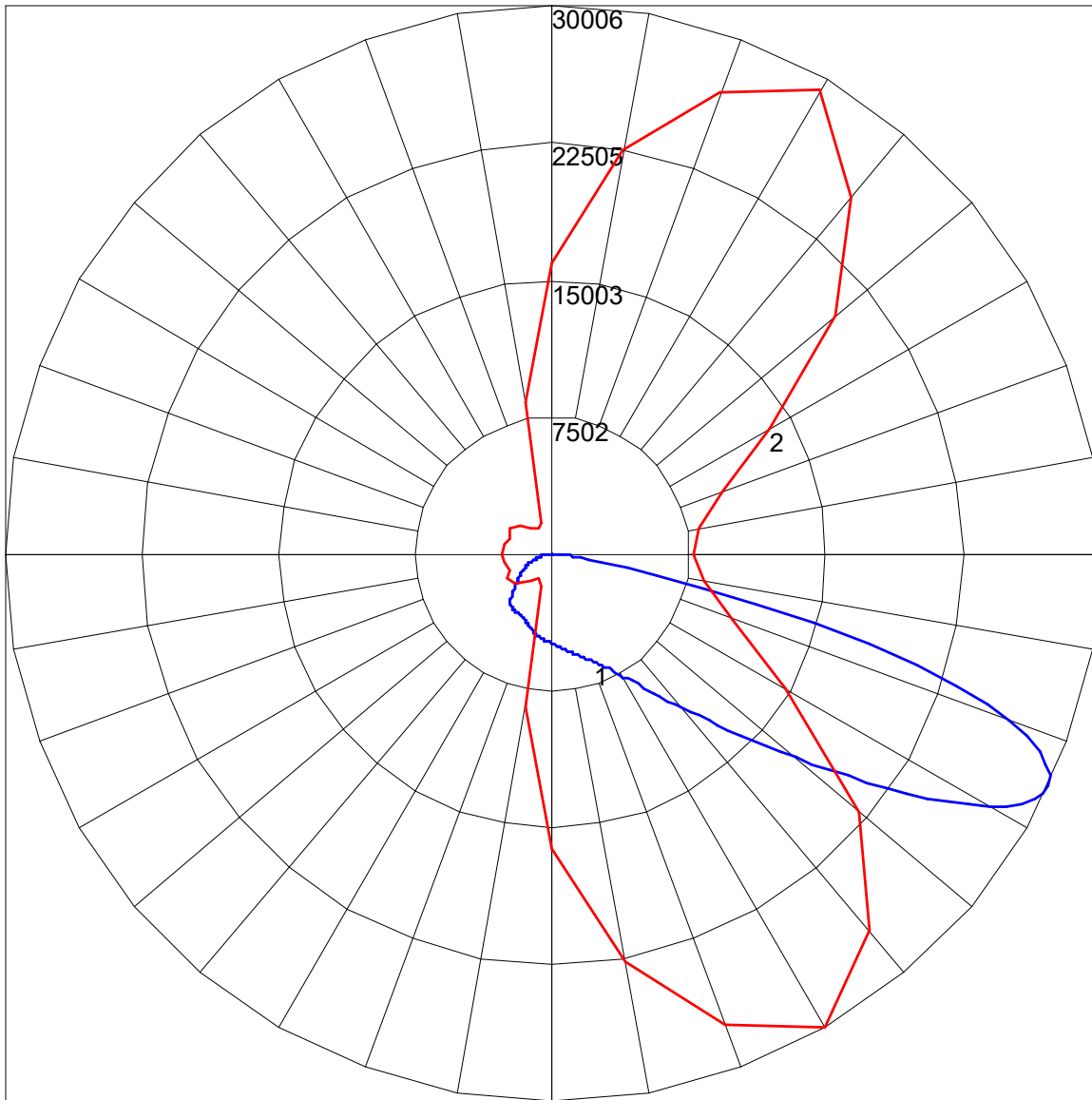
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

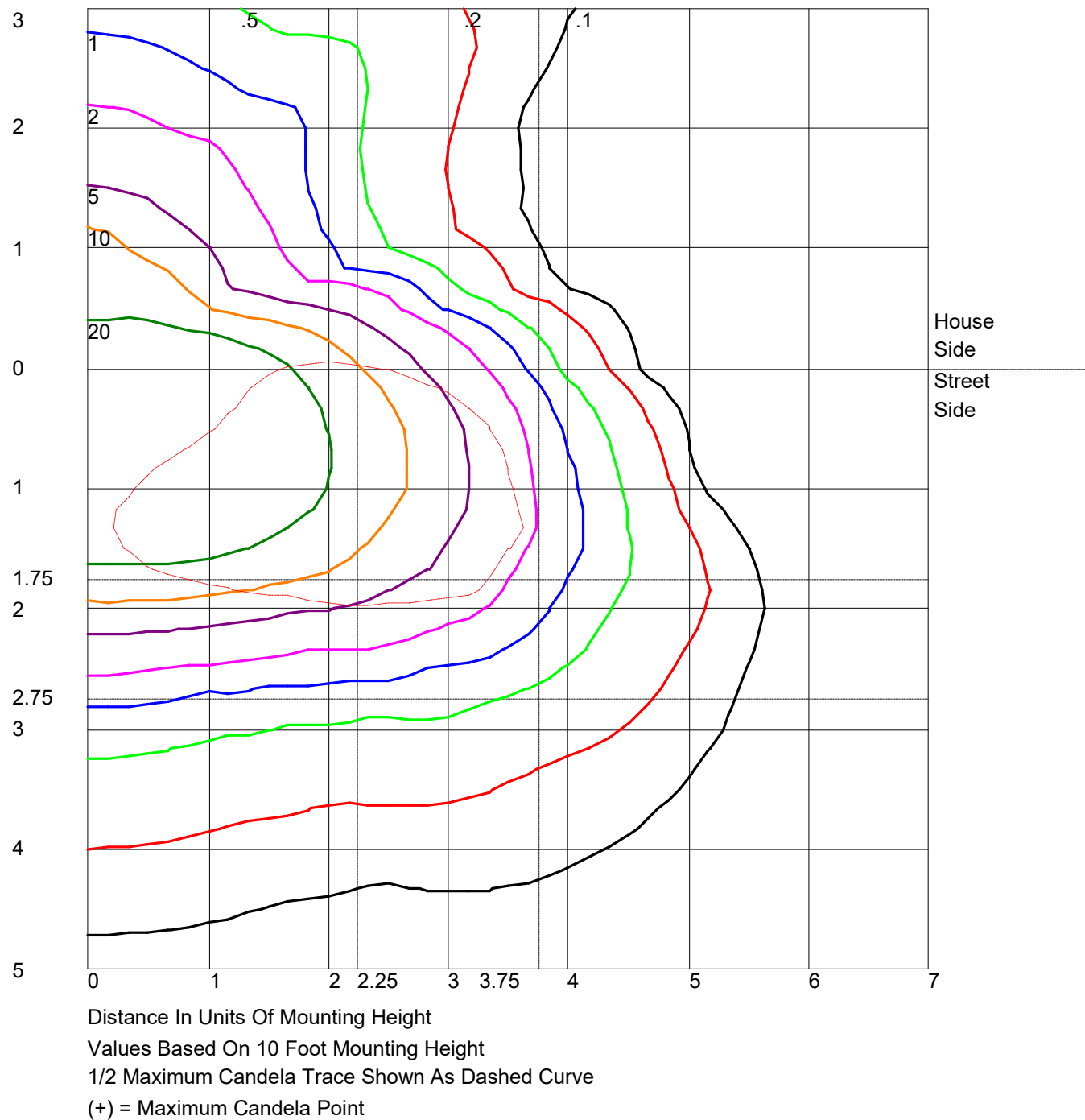
	Lumens	Percent Of Lamp
Downward Street Side	32490.2	77.9
Downward House Side	9196.5	22.1
Downward Total	41686.7	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	41686.7	100.0

POLAR GRAPH

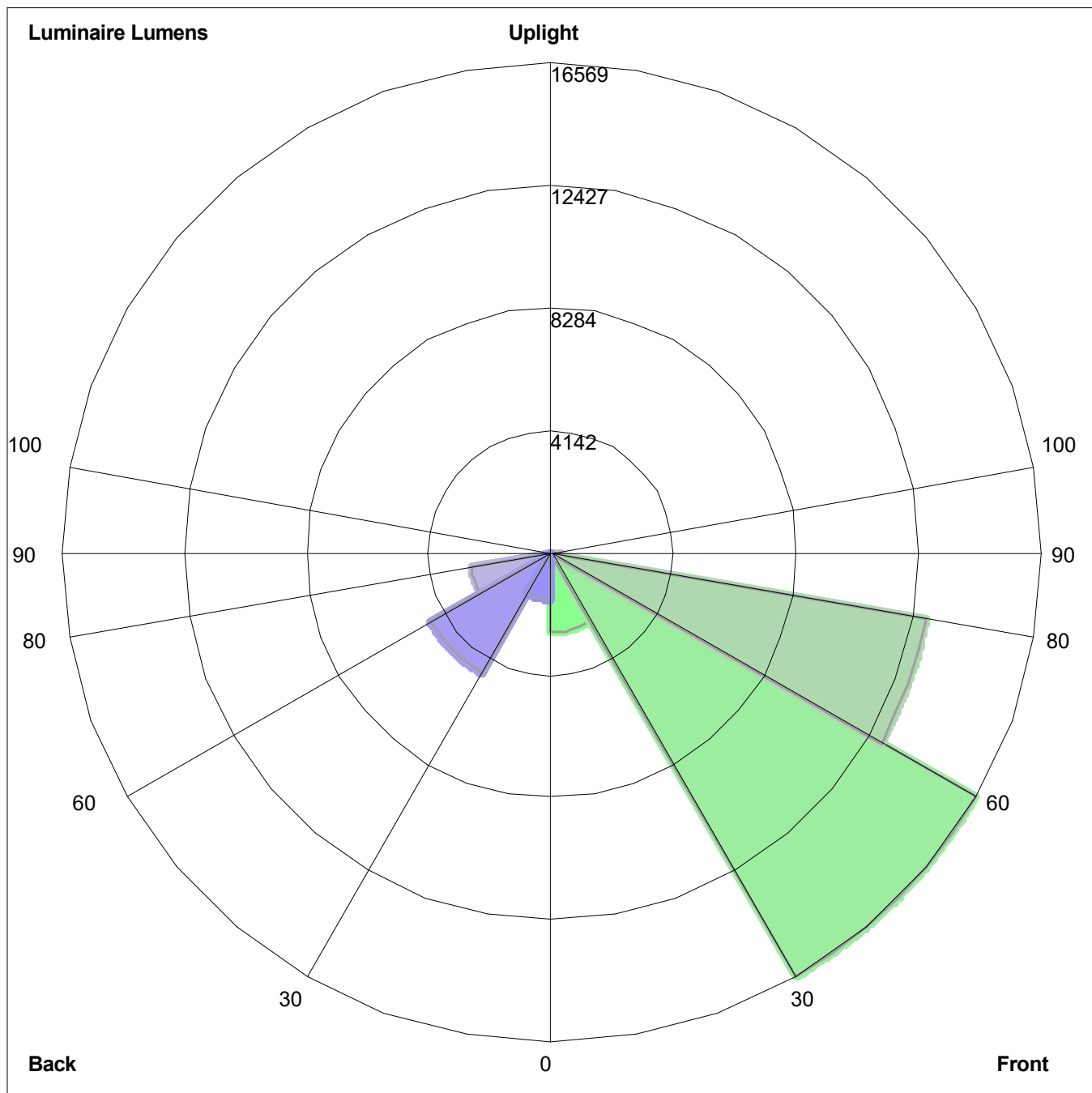


Maximum Candela = 30006.2 Located At Horizontal Angle = 300, Vertical Angle = 65  
# 1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2680.1, Medium=16568.7, High=12879.6, Very High=361.8  
Back: Low=1592.4, Medium=4708.7, High=2738.9, Very High=156.5  
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G5