

IES ROAD REPORT

PHOTOMETRIC FILENAME : SAM-42L-U-40-T4.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-T4
[LUMINAIRE] Skyline Medium, 42,000 Lumens, 4000K, Type 4 Optic
[LAMP] N/A

CHARACTERISTICS

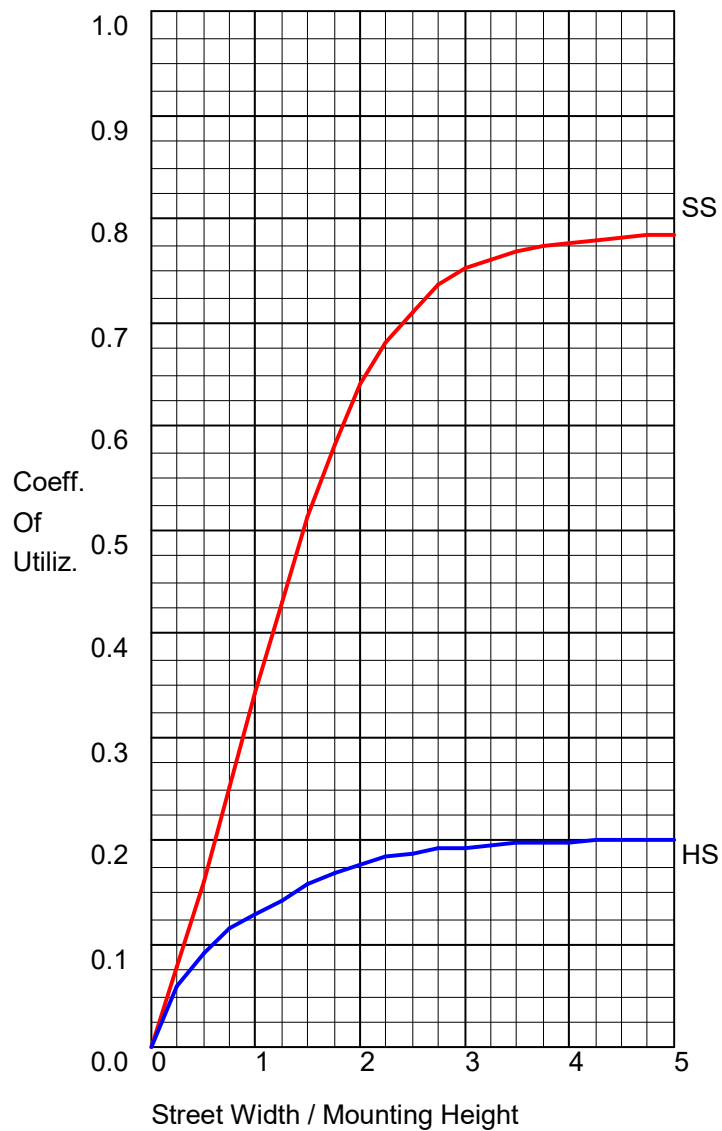
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	42206 (1 lamp)
Total Lamp Lumens	42206
Luminaire Lumens	42206
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	156
Total Luminaire Watts	271.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	25991.72
Maximum Candela Angle	50H 69V
Maximum Candela (<90 Degrees Vertical)	25991.72
Maximum Candela Angle (<90 Degrees Vertical)	50H 69V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7983.43 (18.9% Lamp Lumens)
Cutoff Classification (deprecated)	Semi-Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2520.2	6.0	6.0
FM - Front-Medium (30-60)	14253.3	33.8	33.8
FH - Front-High (60-80)	16067.2	38.1	38.1
FVH - Front-Very High (80-90)	759.6	1.8	1.8
BL - Back-Low (0-30)	1555.8	3.7	3.7
BM - Back-Medium (30-60)	4163.1	9.9	9.9
BH - Back-High (60-80)	2736.3	6.5	6.5
BVH - Back-Very High (80-90)	150.7	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	42206.2	100.2	100.0
BUG Rating	B4-U0-G5		

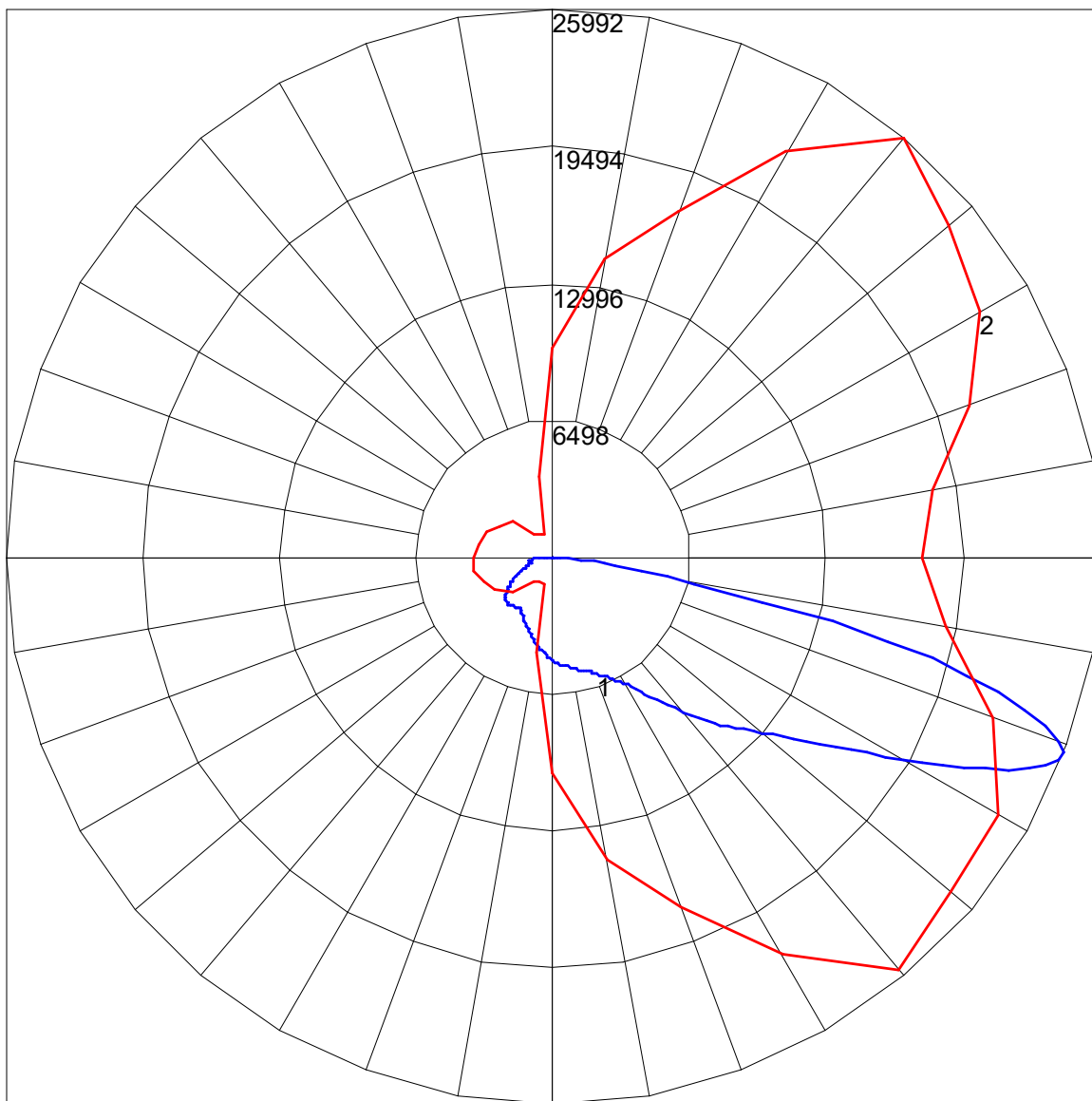
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

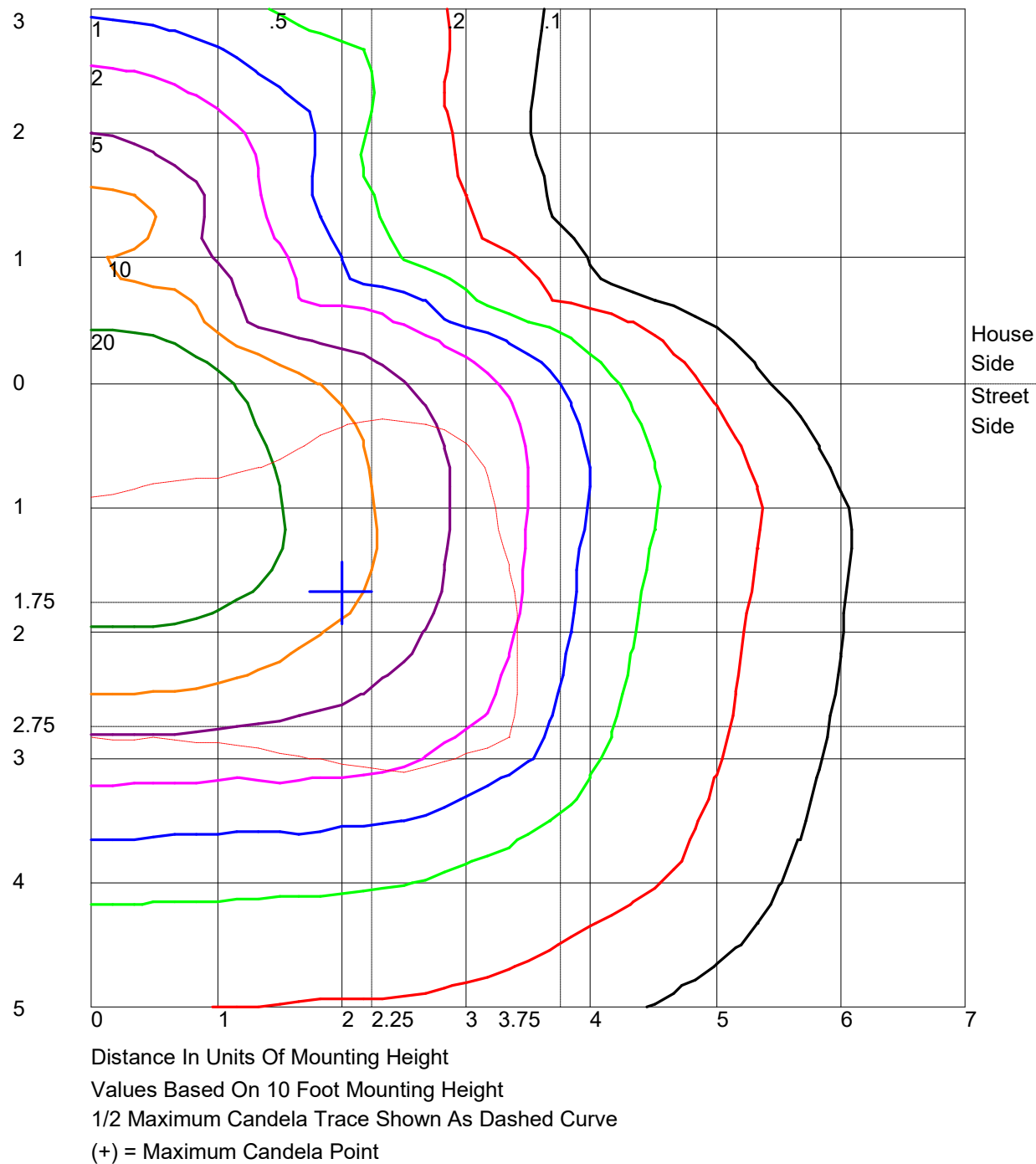
	Lumens	Percent Of Lamp
Downward Street Side	33600.3	79.6
Downward House Side	8605.9	20.4
Downward Total	42206.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	42206.2	100.0

POLAR GRAPH

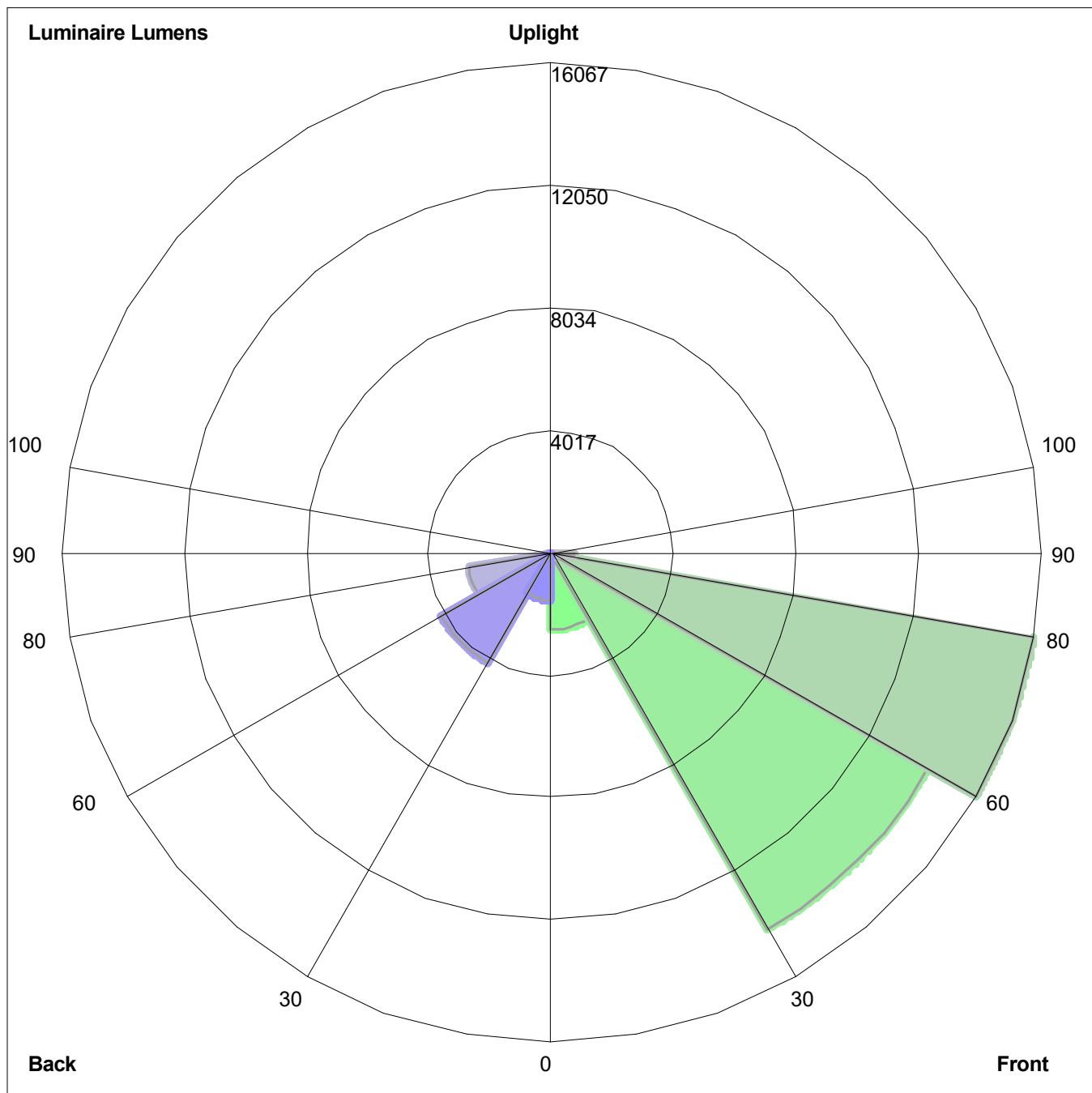


Maximum Candela = 25991.72 Located At Horizontal Angle = 50, Vertical Angle = 69
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (69) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2520.2, Medium=14253.3, High=16067.2, Very High=759.6
Back: Low=1555.8, Medium=4163.1, High=2736.3, Very High=150.7
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G5