

IES ROAD REPORT

PHOTOMETRIC FILENAME : SAM-42L-U-40-FTA.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-FTA

[LUMINAIRE] Skyline Medium, 42,000 Lumens, 4000K, Forward Throw Automotive

[LAMP] N/A

CHARACTERISTICS

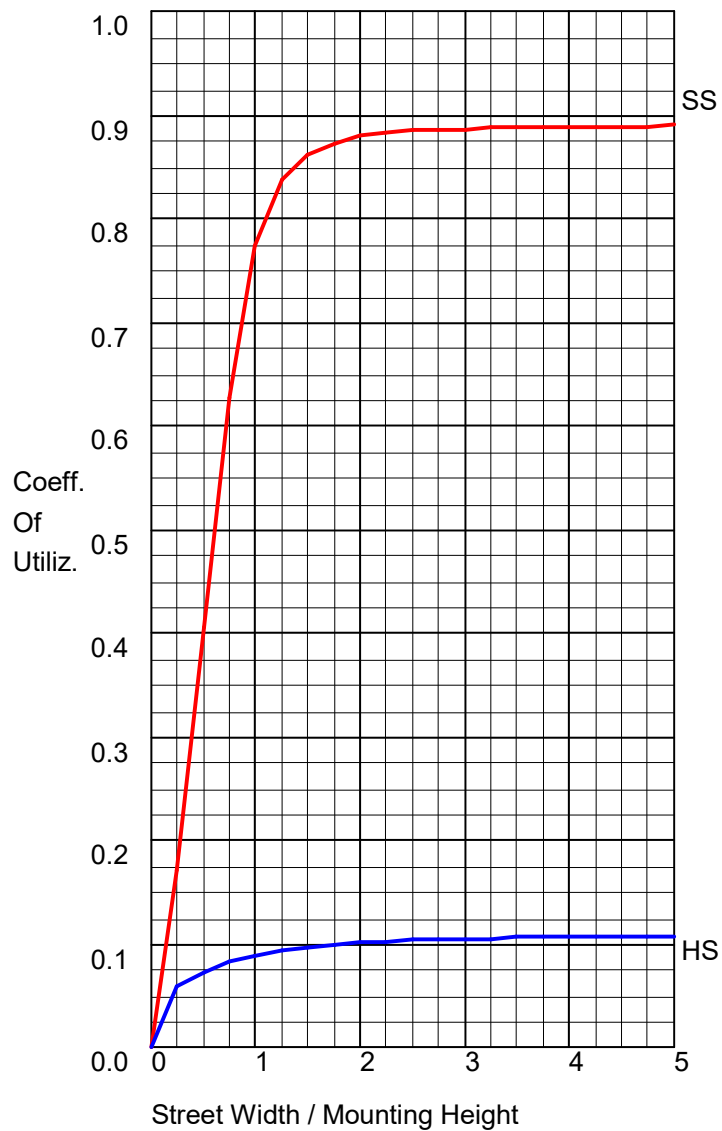
IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	43395 (1 lamp)
Total Lamp Lumens	43395
Luminaire Lumens	43395
Downward Total Efficiency	100 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	160
Total Luminaire Watts	271.3
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	36567.06
Maximum Candela Angle	50H 41V
Maximum Candela (<90 Degrees Vertical)	36567.06
Maximum Candela Angle (<90 Degrees Vertical)	50H 41V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	540.57 (1.2% Lamp Lumens)
Cutoff Classification (deprecated)	Full Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	8504.5	19.6	19.6
FM - Front-Medium (30-60)	27179.3	62.6	62.6
FH - Front-High (60-80)	2939.3	6.8	6.8
FVH - Front-Very High (80-90)	73.4	0.2	0.2
BL - Back-Low (0-30)	1733.9	4.0	4.0
BM - Back-Medium (30-60)	2307.5	5.3	5.3
BH - Back-High (60-80)	621.1	1.4	1.4
BVH - Back-Very High (80-90)	35.8	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	43394.8	100.0	100.0
BUG Rating	B3-U0-G2		

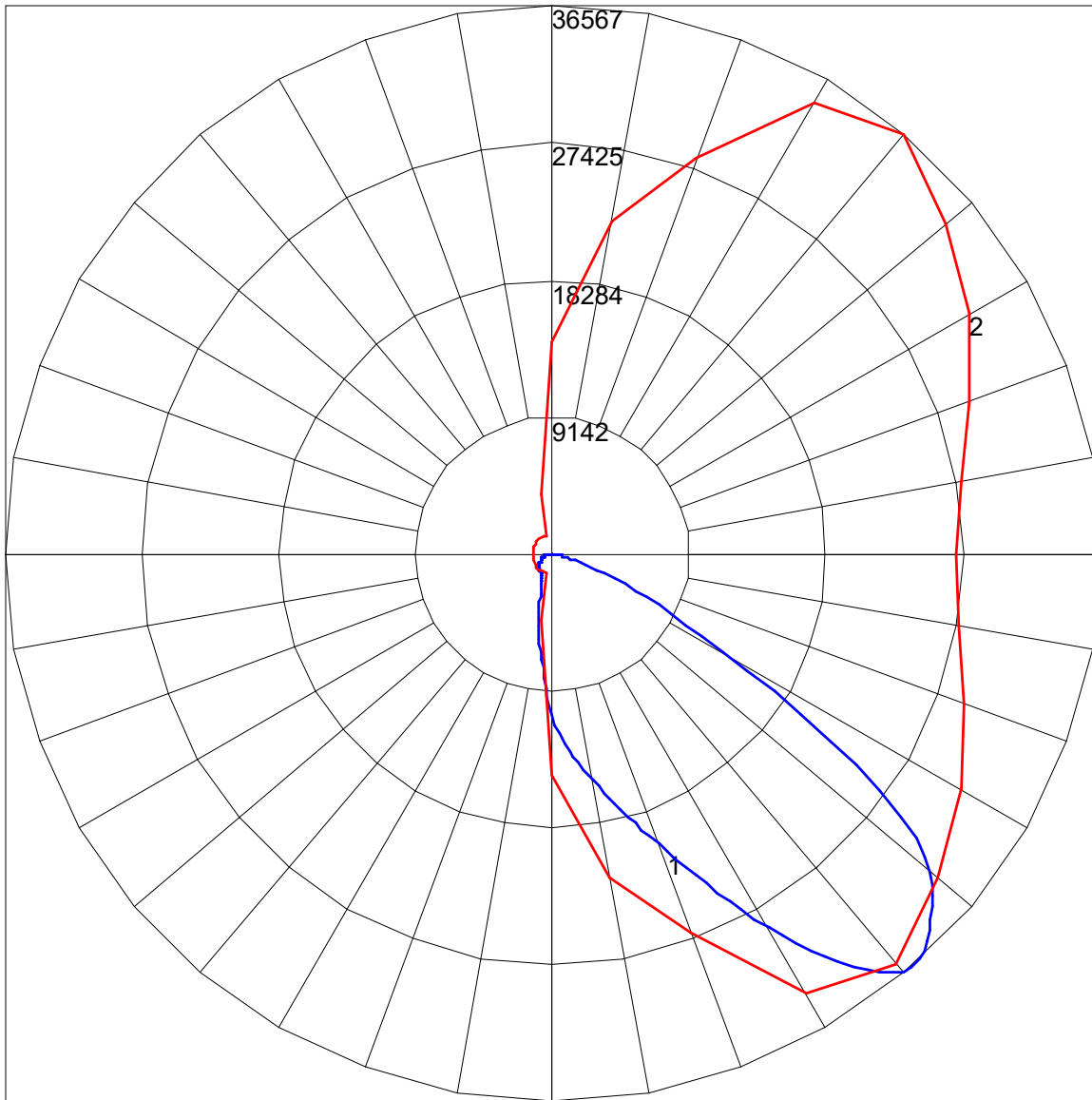
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

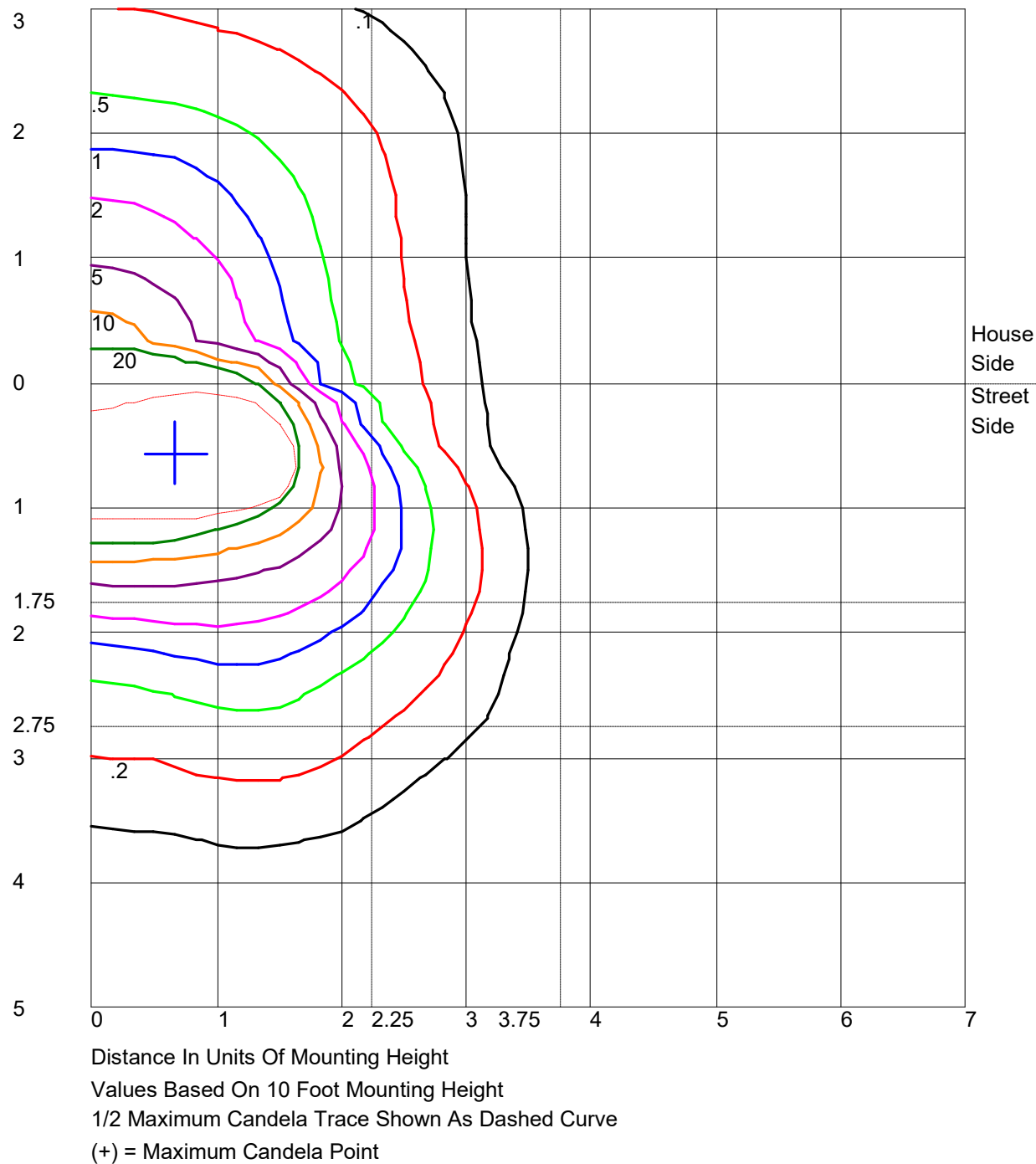
	Lumens	Percent Of Lamp
Downward Street Side	38696.5	89.2
Downward House Side	4698.3	10.8
Downward Total	43394.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	43394.8	100.0

POLAR GRAPH

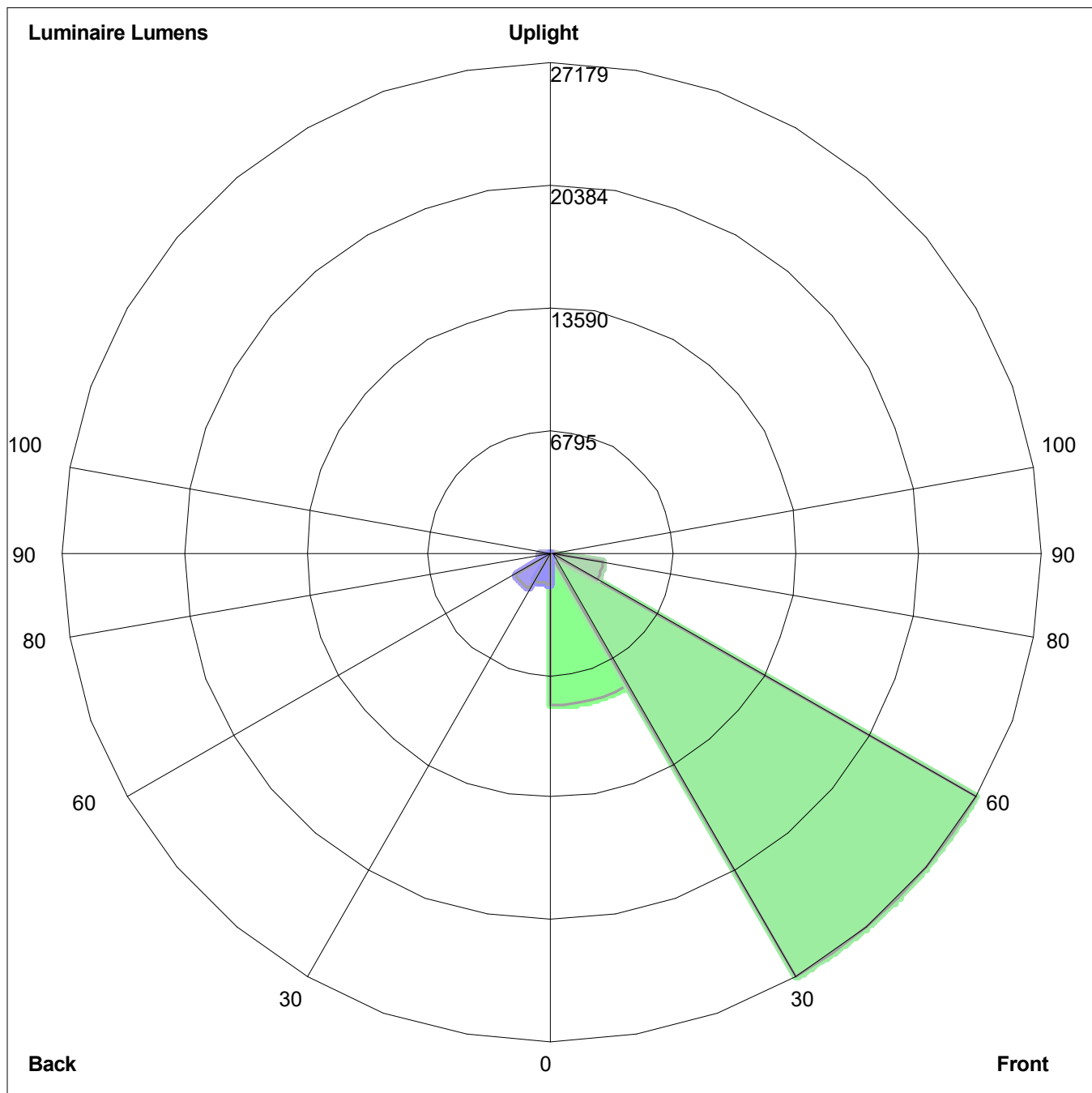


Maximum Candela = 36567.06 Located At Horizontal Angle = 50, Vertical Angle = 41
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (41) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=8504.5, Medium=27179.3, High=2939.3, Very High=73.4
Back: Low=1733.9, Medium=2307.5, High=621.1, Very High=35.8
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G2