

IES ROAD REPORT
PHOTOMETRIC FILENAME : ITL37326.IES

DESCRIPTIVE INFORMATION (From Photometric File)

REPORT NUMBER: ITL37326 DATE: 9-25-1990
 PREPARED FOR: LEXALITE INTERNATIONAL CORP.
 CATALOG NUMBER: 215
 LUMINAIRE: FORMED ACRYLIC REFRACTOR MOUNTED ON CAST METAL MOUNTING
 RING WITH FORMED DIFFUSE METAL UPPER REFLECTOR.
 LAMP: CLEAR 250-WATT HIGH PRESSURE SODIUM, BASE DOWN, RATED 27500
 LUMENS.
 THE ARC TUBE VOLTAGE RISE= 1.8

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Medium
Cutoff Classification (deprecated)	Semi-Cutoff
Total Rated Lamp Lumens	27500
Maximum Candela	5623
Maximum Candela Angle	0H 70V
Maximum Candela At 90 Degrees Vertical	536.6 (2.0% Lamp Lms)
Maximum Candela from 80 to <90 Degrees Vertical	4736 (17.2% Lamp Lms)
Downward Total Efficiency	60.2%
Total Luminaire Watts	250
Ballast Factor	1.00

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

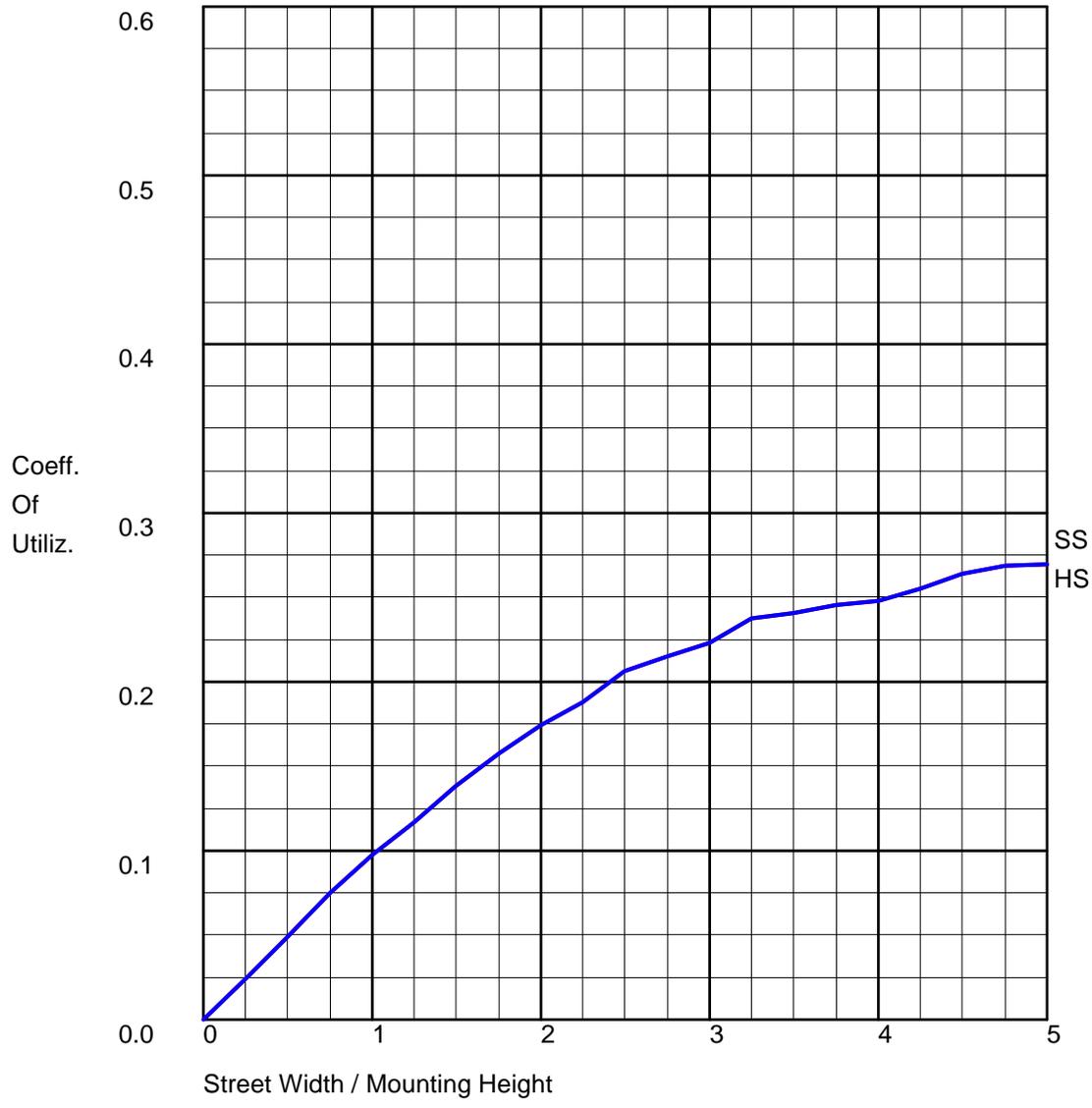
	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	285.6	1.0	1.7
FM - Front-Medium (30-60)	1602.9	5.8	9.4
FH - Front-High (60-80)	5010.9	18.2	29.3
FVH - Front-Very High (80-90)	1381.4	5.0	8.1
BL - Back-Low (0-30)	285.6	1.0	1.7
BM - Back-Medium (30-60)	1602.9	5.8	9.4
BH - Back-High (60-80)	5010.9	18.2	29.3
BVH - Back-Very High (80-90)	1381.4	5.0	8.1
UL - Uplight-Low (90-100)	219.1	0.8	1.3
UH - Uplight-High (100-180)	296.4	1.1	1.7
Total	17077.1	61.9	100.0

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CANDELA TABULATION

Vert. Angles	Horizontal Angles
	<u>0</u>
0	398.40
5	465.90
10	613.70
15	687.60
20	700.50
25	726.20
30	703.70
35	719.80
40	780.80
45	1012.00
50	1484.00
55	2069.00
60	2850.00
65	4691.00
70	5623.00
75	5369.00
80	4736.00
85	2436.00
90	536.60
95	263.50
105	99.60
115	35.35
125	16.07
135	0.00
145	0.00
155	0.00
165	0.00
175	0.00
180	0.00

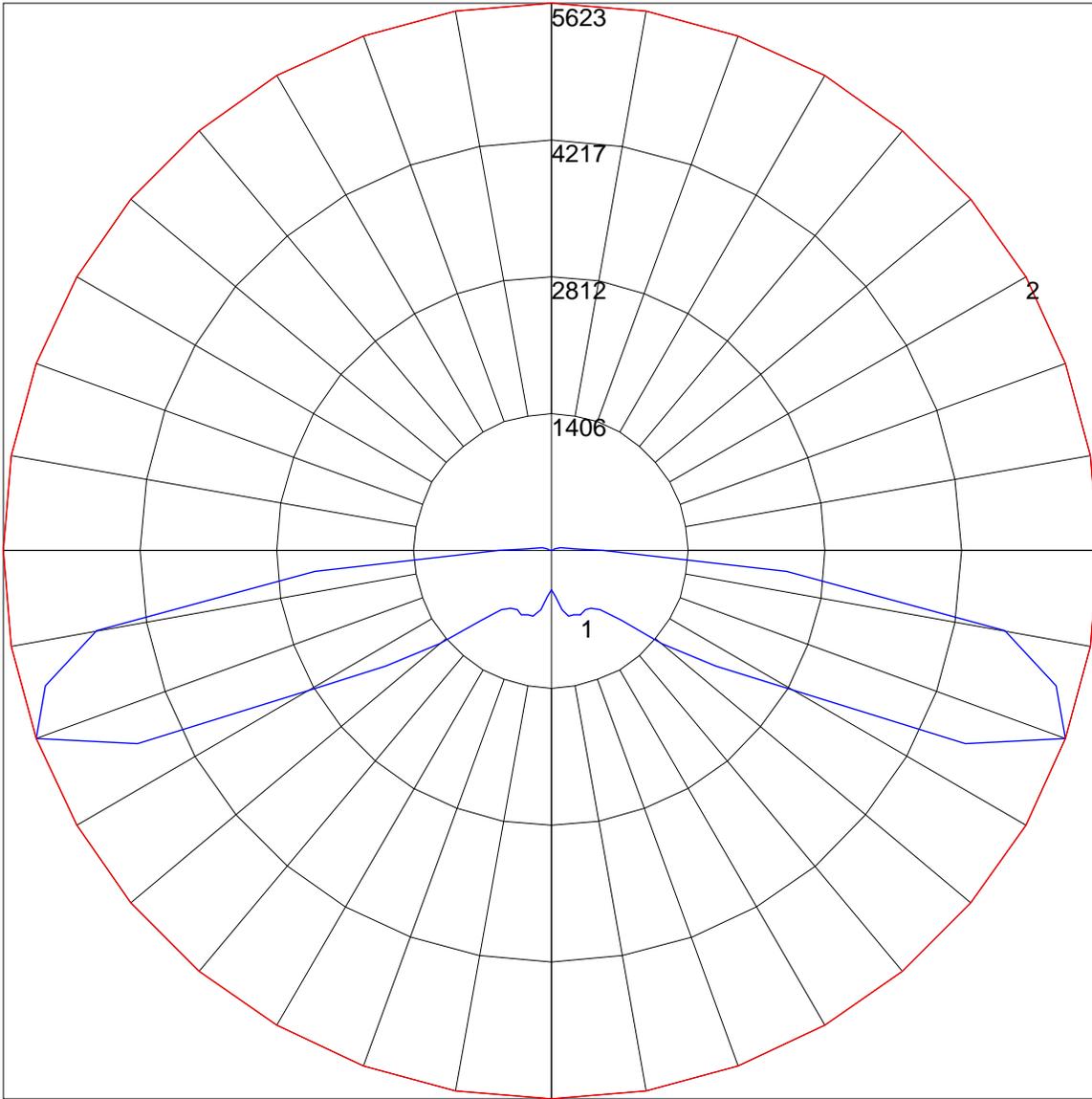
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

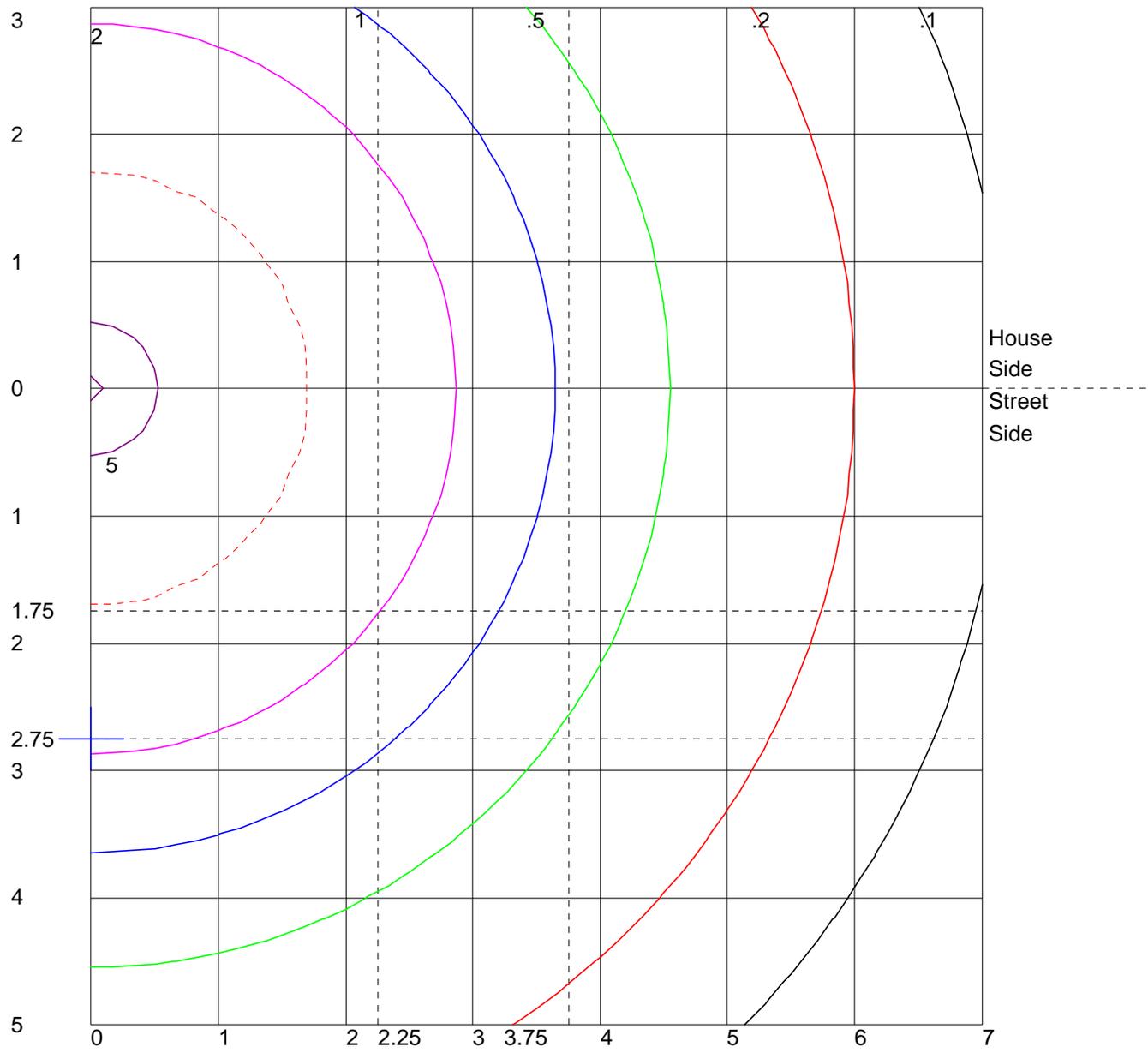
	Lumens	Percent Of Lamp
Downward Street Side	8280.7	30.1
Downward House Side	8280.7	30.1
Downward Total	16561.4	60.2
Upward Street Side	257.7	0.9
Upward House Side	257.7	0.9
Upward Total	515.4	1.9
Total Flux	17076.8	62.1

POLAR GRAPH



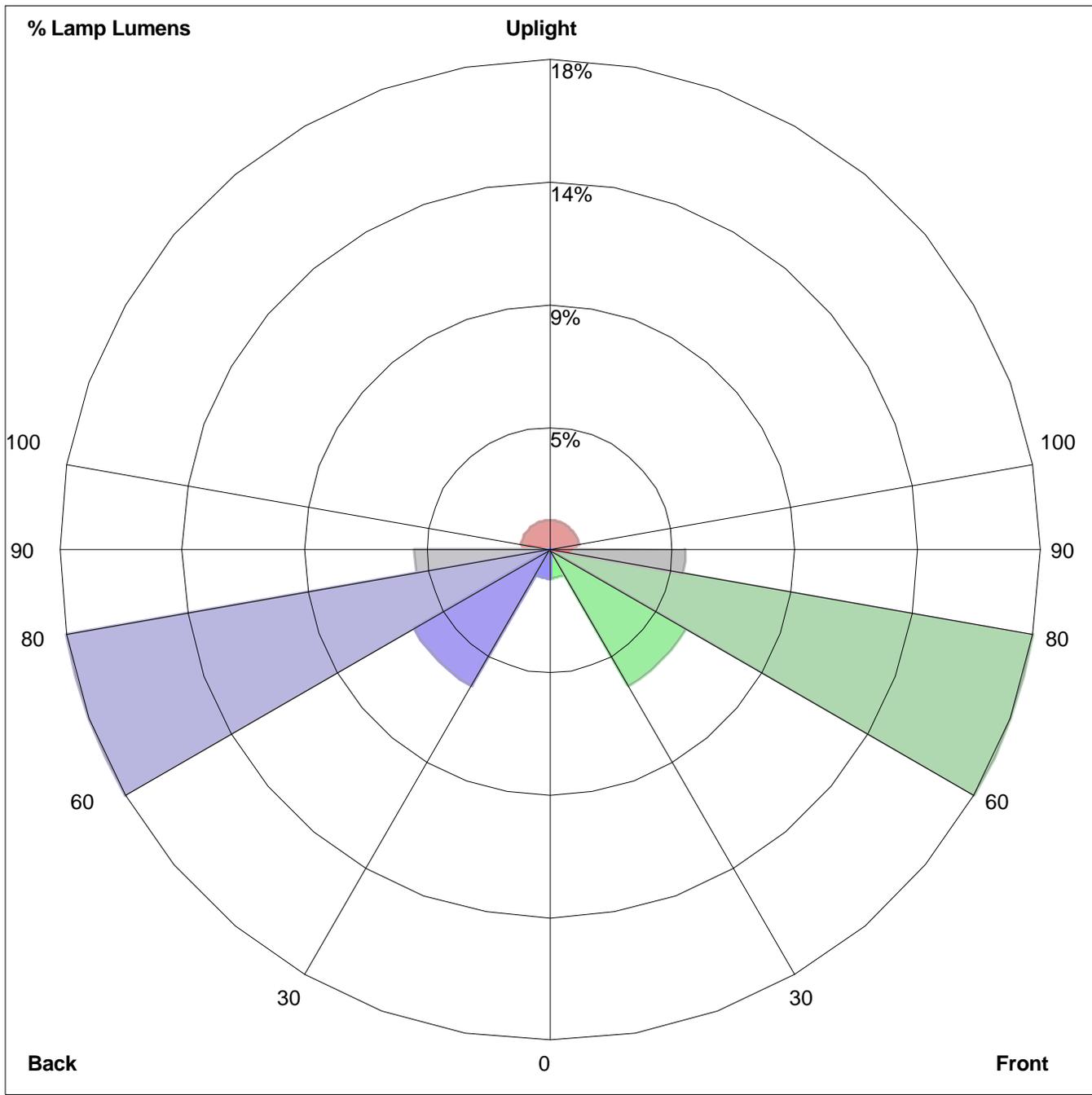
Maximum Candela = 5623 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



Distance In Units Of Mounting Height
 Values Based On 10 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Percent Lamp Lumens:
 Front: Low=1.0%, Medium=5.8%, High=18.2%, Very High=5.0%
 Back: Low=1.0%, Medium=5.8%, High=18.2%, Very High=5.0%
 Uplight: Low=0.8%, High=1.1%