

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SGDF6LEDOS-25W35KE1-AR6160DFOS-FAF.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 3.2.11 see: www.ltioptics.com/ies

[ISSUEDATE]

[TEST] SP-00283_29_M25

[TESTDATE] Oct 06 2014

[UPDATE] Aug 24 2015

[MANUFAC] Spectrum Lighting

[LUMCAT] SGDF6LEDOS-25W-35K-E1-AR6160DFOS-MW-FAF

[LUMINAIRE] Recessed Dead-Front, Wet Location, Acrylic Fresnel Downlight

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] Output Multipliers: 40K x 1.03, 30K x 0.95, 27K x 0.89

[OTHER] This report prepared by Spectrum Lighting, scaled from 35W

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1569
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	25.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	0.92
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1415.516	1415.516	1415.516	1415.516	1415.516
5	1347.246	1354.632	1397.525	1372.910	1408.671
10	1441.847	1396.924	1441.166	1377.878	1507.258
15	1433.079	1330.792	1389.912	1370.907	1420.190
20	1219.496	1224.211	1222.588	1236.412	1238.382
25	1000.298	968.363	976.771	985.352	987.883
30	714.092	685.430	716.082	695.747	737.999
35	501.311	480.235	475.621	491.815	508.022
40	335.456	318.814	309.392	315.202	304.049
45	211.532	205.135	202.744	205.849	195.392
50	120.605	133.847	119.469	129.313	117.900
55	78.787	85.051	77.545	87.923	89.479
60	54.172	52.502	57.017	51.848	55.614
65	32.088	38.205	34.078	34.772	34.752
70	21.610	24.027	20.976	22.512	26.291
75	16.722	16.809	15.653	14.431	12.555
80	9.109	10.297	9.917	9.910	7.800
85	5.089	4.922	6.678	4.895	6.858
90	4.588	2.050	1.255	1.002	1.977

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	514.60	N.A.	32.80
0-30	959.79	N.A.	61.20
0-40	1269.72	N.A.	80.90
0-60	1509.97	N.A.	96.20
0-80	1563.02	N.A.	99.60
0-90	1569.23	N.A.	100.00
10-90	1435.75	N.A.	91.50
20-40	755.12	N.A.	48.10
20-50	918.05	N.A.	58.50
40-70	276.60	N.A.	17.60
60-80	53.06	N.A.	3.40
70-80	16.69	N.A.	1.10
80-90	6.20	N.A.	0.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1569.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	133.48
10-20	381.13
20-30	445.19
30-40	309.93
40-50	162.93
50-60	77.31
60-70	36.36
70-80	16.69
80-90	6.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

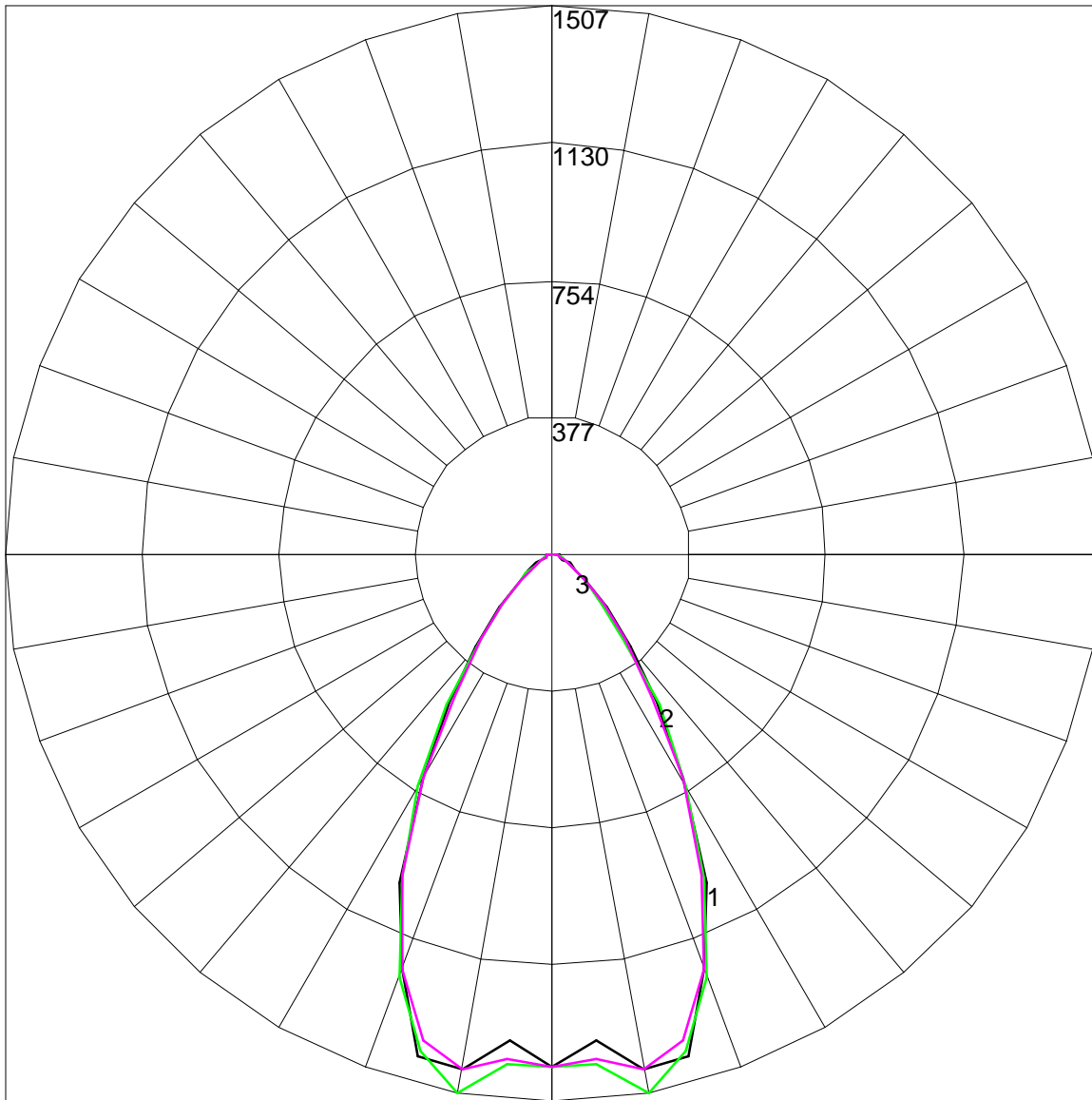
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	101	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83
3	100	93	87	83	98	91	86	82	89	84	80	86	82	79	84	81	78	76
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	67	73	69	66	64
6	84	74	67	63	82	73	67	62	72	66	62	70	65	61	69	64	61	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45

POLAR GRAPH



Maximum Candela = 1507.258 Located At Horizontal Angle = 90, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)