

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SGDF6LEDOS-14W35KE1-AR6160DFOS-FAF.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 3.2.11 see: www.ltiopics.com/ies
 [ISSUE DATE]
 [TEST] SP-00283_29_M14
 [TEST DATE] Oct 06 2014
 [UPDATE] Aug 24 2015
 [MANUFAC] Spectrum Lighting
 [LUMCAT] SGDF6LEDOS-14W-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	962
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	14.4
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	867.369	867.369	867.369	867.369	867.369
5	825.536	830.062	856.345	841.262	863.175
10	883.504	855.977	883.086	844.306	923.585
15	878.131	815.454	851.680	840.034	870.233
20	747.257	750.145	749.151	757.622	758.829
25	612.941	593.373	598.525	603.783	605.334
30	437.566	420.003	438.785	426.325	452.215
35	307.182	294.268	291.440	301.364	311.295
40	205.553	195.356	189.582	193.142	186.309
45	129.618	125.698	124.233	126.136	119.728
50	73.902	82.016	73.206	79.237	72.244
55	48.277	52.116	47.516	53.875	54.829
60	33.194	32.171	34.937	31.770	34.078
65	19.662	23.410	20.881	21.307	21.295
70	13.242	14.723	12.853	13.794	16.110
75	10.246	10.300	9.592	8.843	7.693
80	5.581	6.310	6.077	6.073	4.779
85	3.118	3.016	4.092	2.999	4.202
90	2.811	1.256	0.769	0.614	1.211

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	315.33	N.A.	32.80
0-30	588.12	N.A.	61.20
0-40	778.03	N.A.	80.90
0-60	925.24	N.A.	96.20
0-80	957.76	N.A.	99.60
0-90	961.56	N.A.	100.00
10-90	879.77	N.A.	91.50
20-40	462.71	N.A.	48.10
20-50	562.55	N.A.	58.50
40-70	169.49	N.A.	17.60
60-80	32.51	N.A.	3.40
70-80	10.23	N.A.	1.10
80-90	3.80	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	961.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.79
10-20	233.54
20-30	272.79
30-40	189.91
40-50	99.84
50-60	47.37
60-70	22.28
70-80	10.23
80-90	3.80
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

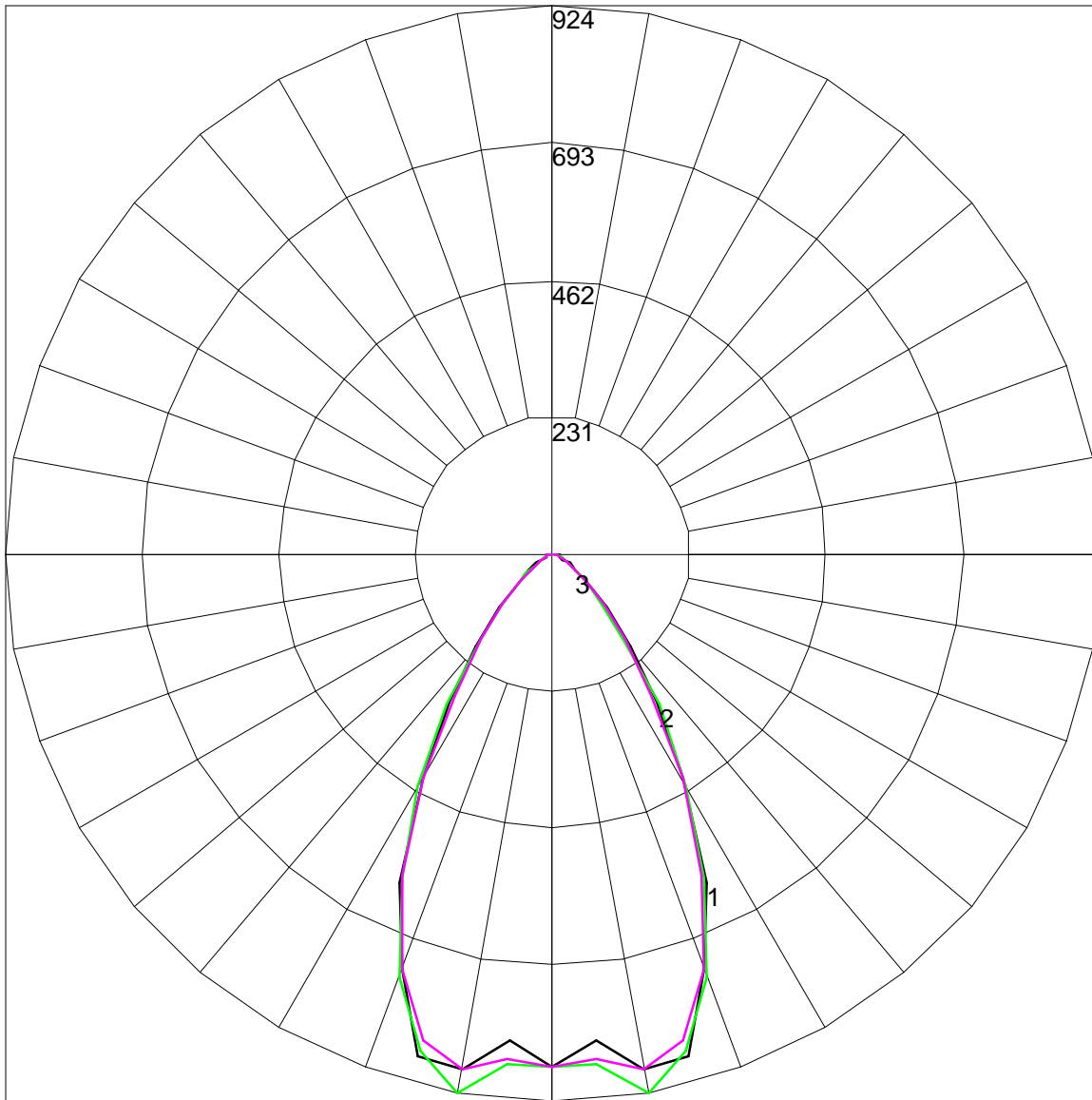
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	96	92	104	99	95	91	95	92	89	92	90	87	90	87	85	83
3	100	93	87	82	98	91	86	82	88	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 = 923.585 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)