



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DSS 6 MD 12 SW 9SEL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LCZP19060259
[TESTLAB] LCTECH
[TESTDATE] 2019/9/19
[ISSUE DATE] 2019/9/19
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] DSS 6 MD 12 SW 9SEL
[LUMCAT] SLIM DOWNLIGHT 6" 15W - 27/30/35/40/50K/DIMM
[LAMPCAT]
[LAMP]

CHARACTERISTICS

Lumens Per Lamp	1169.16 (1 lamp)
Total Lamp Lumens	1169.16
Luminaire Lumens	1169
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	14.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.13 m (Diameter)
Luminous Width (90-270)	0.13 m (Diameter)
Luminous Height	0.00 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	28753	28828	29043
55	27612	27760	27879
65	25984	26077	26208
75	23443	23587	23897
85	18366	17531	19051

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	149.71	12.80	12.80
0-30	317.26	27.10	27.10
0-40	518.64	44.40	44.40
0-60	914.17	78.20	78.20
0-80	1142.22	97.70	97.70
0-90	1166.4	99.80	99.80
10-90	1127.59	96.40	96.40
20-40	368.93	31.60	31.60
20-50	576.96	49.30	49.30
40-70	538.94	46.10	46.10
60-80	228.04	19.50	19.50
70-80	84.64	7.20	7.20
80-90	24.18	2.10	2.10
90-110	0.68	0.10	0.10
90-120	1.00	0.10	0.10
90-130	1.31	0.10	0.10
90-150	1.89	0.20	0.20
90-180	2.77	0.20	0.20
110-180	2.08	0.20	0.20
0-180	1169.16	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	38.80
10-20	110.91
20-30	167.55
30-40	201.38
40-50	208.03
50-60	187.51
60-70	143.40
70-80	84.64
80-90	24.18
90-100	0.36
100-110	0.33
110-120	0.32
120-130	0.31
130-140	0.27
140-150	0.31
150-160	0.38
160-170	0.36
170-180	0.15

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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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	74	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

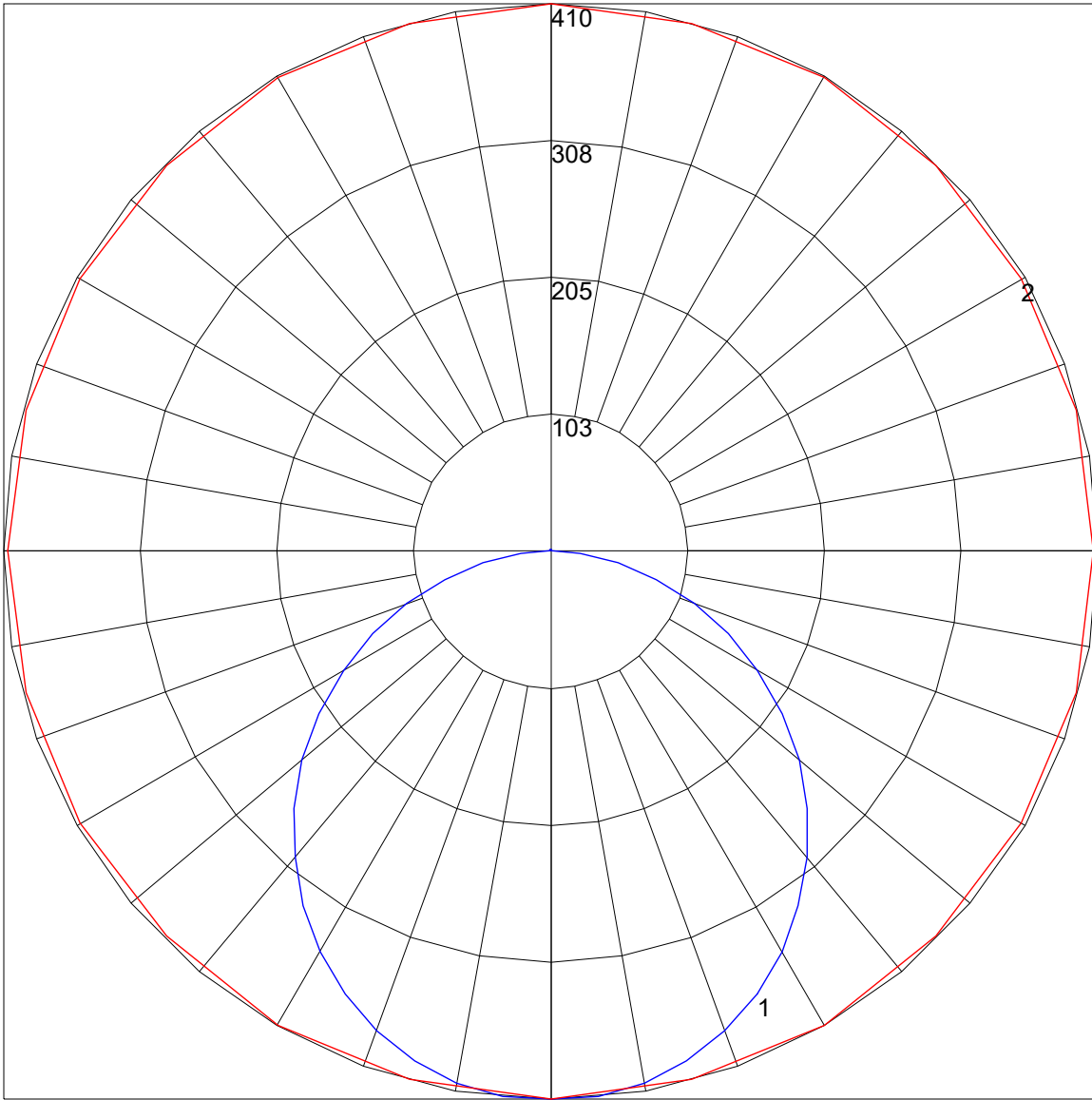
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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	22.8	24.4	23.1	24.7	25.0	22.7	24.3	23.1	24.7	25.0
	3H	24.6	26.1	25.0	26.4	26.8	24.6	26.0	24.9	26.4	26.7
	4H	25.3	26.7	25.7	27.1	27.5	25.3	26.7	25.7	27.0	27.4
	6H	25.9	27.2	26.3	27.5	27.9	25.8	27.1	26.2	27.5	27.9
	8H	26.1	27.3	26.5	27.7	28.1	26.0	27.3	26.4	27.7	28.0
	12H	26.2	27.4	26.6	27.7	28.2	26.1	27.3	26.6	27.7	28.1
4H	2H	23.4	24.8	23.8	25.2	25.5	23.4	24.8	23.8	25.1	25.5
	3H	25.5	26.7	25.9	27.1	27.5	25.4	26.6	25.8	27.0	27.4
	4H	26.3	27.4	26.8	27.8	28.3	26.3	27.3	26.7	27.7	28.2
	6H	27.0	27.9	27.5	28.4	28.8	26.9	27.9	27.4	28.3	28.8
	8H	27.2	28.1	27.7	28.6	29.0	27.2	28.0	27.6	28.5	29.0
	12H	27.4	28.2	27.9	28.7	29.1	27.3	28.1	27.8	28.6	29.1
8H	4H	26.7	27.5	27.1	28.0	28.5	26.6	27.5	27.1	27.9	28.4
	6H	27.5	28.2	28.0	28.7	29.2	27.4	28.1	27.9	28.6	29.1
	8H	27.8	28.4	28.3	28.9	29.4	27.7	28.4	28.2	28.9	29.3
	12H	28.0	28.6	28.5	29.1	29.6	27.9	28.5	28.4	29.0	29.5
12H	4H	26.7	27.5	27.2	28.0	28.4	26.6	27.4	27.1	27.9	28.4
	6H	27.5	28.2	28.1	28.7	29.2	27.5	28.1	28.0	28.6	29.1
	8H	27.9	28.5	28.4	29.0	29.5	27.8	28.4	28.3	28.9	29.5

Maximum UGR = 29.6

POLAR GRAPH



Maximum Candela = 410.363 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)