



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DLS 6 SEL UV SW 9SEL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LCZP19120206
[TESTLAB] LCTECH
[TESTDATE] 2019/10/14
[ISSUEDATE] 2019/10/14
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] 6" LED Downlight, selectable output and color temp
[LUMCAT] DLS 6 SEL UV SW 9SEL
[LAMPCAT]
[LAMP]

CHARACTERISTICS

Lumens Per Lamp	2018.19 (1 lamp)
Total Lamp Lumens	2018.19
Luminaire Lumens	2018
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	21.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.15 m (Diameter)
Luminous Width (90-270)	0.15 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	40378	40287	40559
55	29245	29320	29751
65	18458	18691	18931
75	9259	9353	9583
85	5557	5555	4934

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	351.13	17.40	17.40
0-30	728.65	36.10	36.10
0-40	1154.96	57.20	57.20
0-60	1810.82	89.70	89.70
0-80	2003.07	99.30	99.30
0-90	2013.38	99.80	99.80
10-90	1921.39	95.20	95.20
20-40	803.84	39.80	39.80
20-50	1190.72	59.00	59.00
40-70	797.83	39.50	39.50
60-80	192.25	9.50	9.50
70-80	50.28	2.50	2.50
80-90	10.31	0.50	0.50
90-110	0.38	0.00	0.00
90-120	0.83	0.00	0.00
90-130	1.53	0.10	0.10
90-150	2.87	0.10	0.10
90-180	4.81	0.20	0.20
110-180	4.43	0.20	0.20
0-180	2018.19	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.99
10-20	259.14
20-30	377.52
30-40	426.31
40-50	386.88
50-60	268.98
60-70	141.96
70-80	50.28
80-90	10.31
90-100	0.07
100-110	0.31
110-120	0.45
120-130	0.70
130-140	0.70
140-150	0.64
150-160	0.84
160-170	0.77
170-180	0.33

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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	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	48	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31

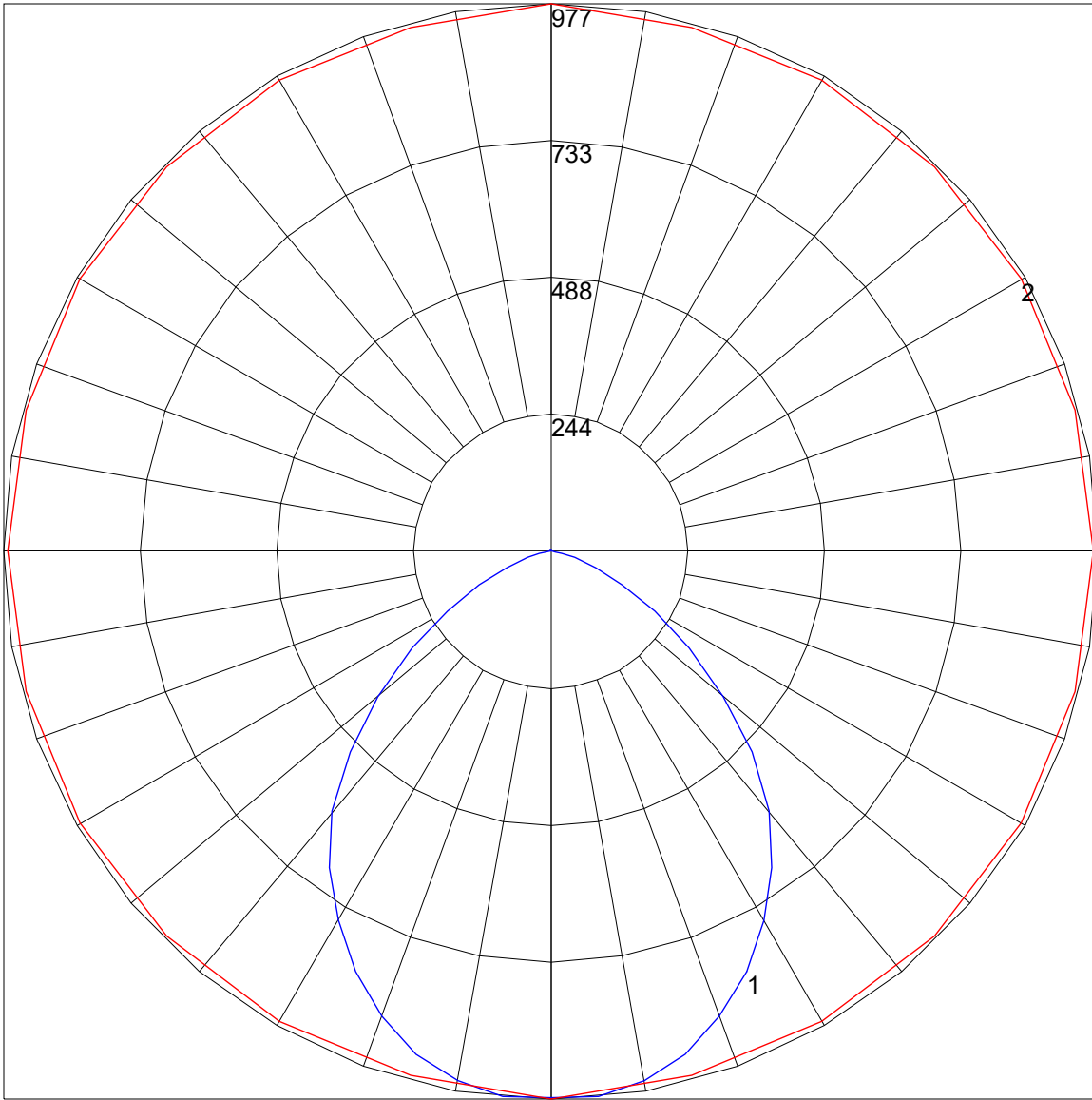
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UGR TABLE - CORRECTED

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	21.9	23.4	22.3	23.7	24.0	22.0	23.5	22.4	23.8	24.1
	3H	22.7	24.0	23.0	24.3	24.7	22.8	24.1	23.2	24.5	24.8
	4H	22.8	24.0	23.2	24.4	24.8	23.0	24.2	23.4	24.6	24.9
	6H	22.9	24.0	23.3	24.4	24.8	23.0	24.2	23.5	24.5	24.9
	8H	22.9	24.0	23.3	24.3	24.7	23.0	24.1	23.5	24.5	24.9
	12H	22.9	23.9	23.3	24.3	24.7	23.0	24.1	23.5	24.4	24.9
4H	2H	22.2	23.4	22.6	23.8	24.1	22.3	23.5	22.7	23.9	24.3
	3H	23.1	24.1	23.5	24.5	24.9	23.3	24.3	23.7	24.7	25.1
	4H	23.3	24.2	23.7	24.6	25.1	23.5	24.4	23.9	24.8	25.2
	6H	23.4	24.2	23.9	24.6	25.1	23.6	24.3	24.0	24.8	25.3
	8H	23.4	24.2	23.9	24.6	25.1	23.6	24.3	24.0	24.8	25.2
	12H	23.5	24.1	23.9	24.6	25.0	23.6	24.2	24.1	24.7	25.2
8H	4H	23.3	24.1	23.8	24.5	25.0	23.5	24.2	23.9	24.7	25.1
	6H	23.5	24.1	24.0	24.6	25.1	23.6	24.2	24.1	24.7	25.2
	8H	23.5	24.1	24.1	24.6	25.1	23.7	24.2	24.2	24.7	25.2
	12H	23.6	24.0	24.1	24.5	25.1	23.7	24.2	24.2	24.7	25.2
12H	4H	23.3	24.0	23.8	24.4	24.9	23.5	24.1	24.0	24.6	25.1
	6H	23.5	24.0	24.0	24.5	25.0	23.6	24.2	24.1	24.6	25.2
	8H	23.5	24.0	24.0	24.5	25.1	23.7	24.1	24.2	24.6	25.2

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 976.735 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.)