

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DLR 6 MD 12 WB 9SEL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] LCZP19020095  
[TESTLAB] LCTECH  
[TESTDATE] 2019/3/5  
[ISSUE DATE] 2019/3/5  
[MANUFAC] LumenFocus, LLC  
[LUMINAIRE] DLR 6 MD 12 WB 9SEL  
[LUMCAT] LED RETROFIT 6" CAN CCT-SELECT 15W - 27K/30K/40K/50K/WHITE  
[MORE] TRIM/MED/DIMMABLE

**CHARACTERISTICS**

Lumens Per Lamp	1042.47 (1 lamp)
Total Lamp Lumens	1042.47
Luminaire Lumens	1042
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	14.83
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
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	20235	20279	20552
55	18264	18240	18550
65	13982	14061	14138
75	4624	4783	5124
85	2071	2096	2240

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DLR 6 MD 12 WB 9SEL.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	156.07	15.00	15.00
0-30	327.94	31.50	31.50
0-40	530.32	50.90	50.90
0-60	902.42	86.60	86.60
0-80	1037.82	99.60	99.60
0-90	1041.91	99.90	99.90
10-90	1001.24	96.00	96.00
20-40	374.26	35.90	35.90
20-50	576.15	55.30	55.30
40-70	477.62	45.80	45.80
60-80	135.40	13.00	13.00
70-80	29.88	2.90	2.90
80-90	4.09	0.40	0.40
90-110	0.06	0.00	0.00
90-120	0.12	0.00	0.00
90-130	0.18	0.00	0.00
90-150	0.34	0.00	0.00
90-180	0.56	0.10	0.10
110-180	0.50	0.00	0.00
0-180	1042.48	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	40.68
10-20	115.39
20-30	171.88
30-40	202.38
40-50	201.89
50-60	170.21
60-70	105.52
70-80	29.88
80-90	4.09
90-100	0.01
100-110	0.04
110-120	0.06
120-130	0.06
130-140	0.08
140-150	0.08
150-160	0.09
160-170	0.09
170-180	0.04

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DLR 6 MD 12 WB 9SEL.IES**

**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	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	90	89	87
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	63
4	85	74	66	60	83	73	65	59	70	64	58	68	62	58	66	61	57	55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	33
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

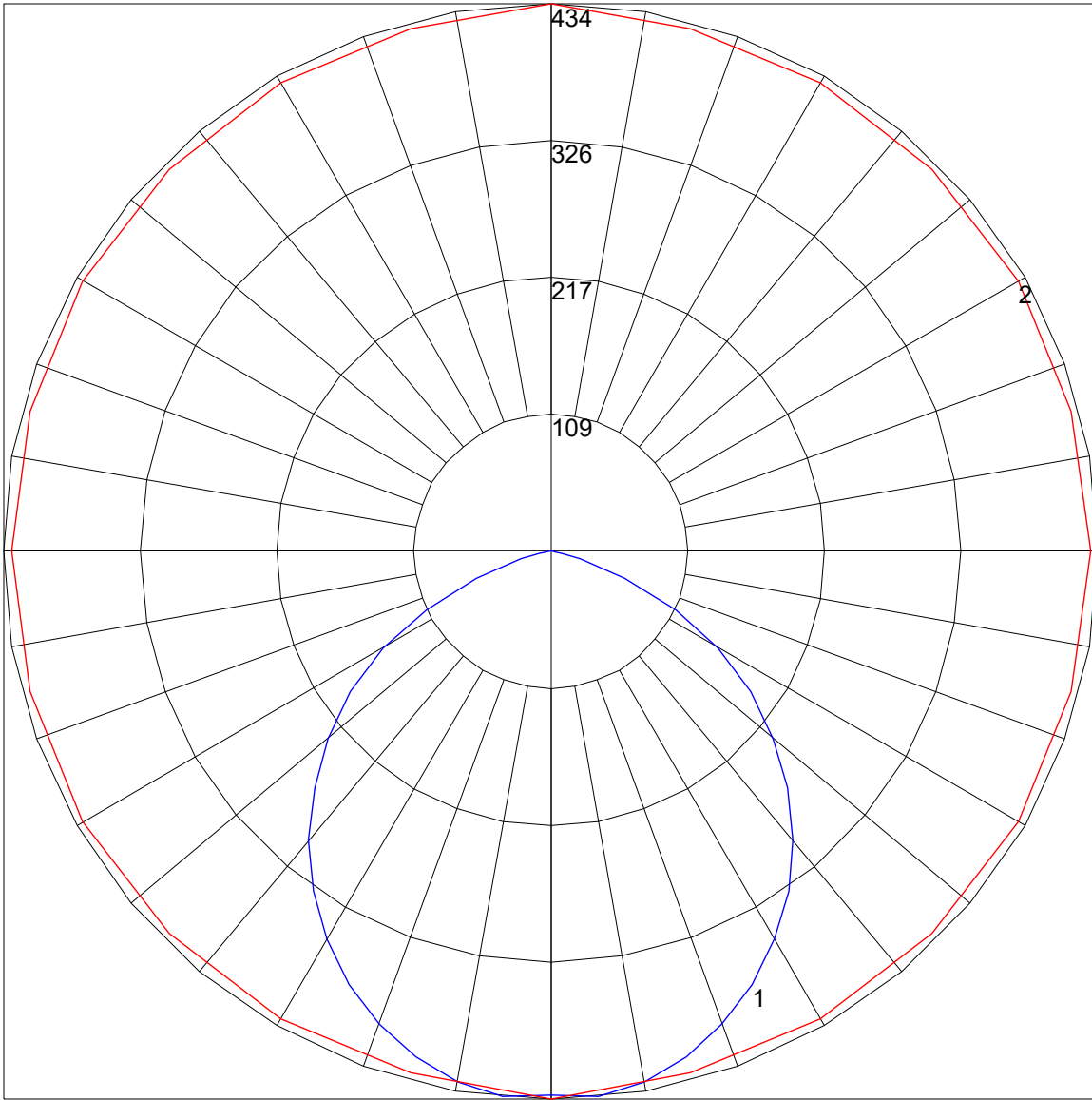
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : DLR 6 MD 12 WB 9SEL.IES**

**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	21.3	22.8	21.7	23.1	23.5	21.3	22.8	21.7	23.1	23.5
	3H	22.2	23.6	22.6	23.9	24.3	22.3	23.7	22.6	24.0	24.3
	4H	22.3	23.6	22.7	24.0	24.3	22.4	23.7	22.8	24.0	24.4
	6H	22.3	23.5	22.7	23.9	24.3	22.4	23.6	22.8	23.9	24.3
	8H	22.3	23.4	22.7	23.8	24.2	22.4	23.5	22.8	23.9	24.3
	12H	22.3	23.4	22.7	23.7	24.2	22.3	23.4	22.8	23.8	24.2
4H	2H	21.7	23.0	22.1	23.4	23.8	21.7	23.0	22.1	23.4	23.8
	3H	22.8	23.8	23.2	24.2	24.6	22.8	23.9	23.2	24.3	24.7
	4H	22.9	23.8	23.3	24.2	24.7	22.9	23.9	23.4	24.3	24.7
	6H	22.9	23.7	23.4	24.2	24.6	22.9	23.8	23.4	24.2	24.7
	8H	22.9	23.6	23.3	24.1	24.6	22.9	23.7	23.4	24.1	24.6
	12H	22.9	23.5	23.3	24.0	24.5	22.9	23.6	23.4	24.1	24.5
8H	4H	22.9	23.6	23.3	24.1	24.6	22.9	23.7	23.4	24.1	24.6
	6H	22.9	23.5	23.4	24.0	24.5	22.9	23.6	23.4	24.1	24.6
	8H	22.9	23.4	23.4	24.0	24.4	22.9	23.5	23.4	24.0	24.5
	12H	22.9	23.4	23.4	23.9	24.4	22.9	23.4	23.4	23.9	24.5
12H	4H	22.9	23.5	23.3	24.0	24.5	22.9	23.6	23.4	24.1	24.5
	6H	22.9	23.4	23.4	23.9	24.4	22.9	23.5	23.4	24.0	24.5
	8H	22.9	23.4	23.4	23.9	24.4	22.9	23.4	23.4	23.9	24.5

Maximum UGR = 24.7

POLAR GRAPH



Maximum Candela = 434.05 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.)