



IES INDOOR REPORT

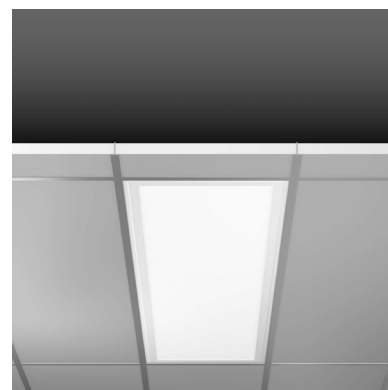
PHOTOMETRIC FILENAME : 312627.002.1.790MAL-M1200[29W].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] RZB
 [LUMCAT] 312627.002.1.790MAL-M1200
 [LUMINAIRE] Kaleea CRI90
 [LAMPCAT]
 [LAMP] LED 840

CHARACTERISTICS

Lumens Per Lamp	2950 (1 lamp)
Total Lamp Lumens	2950
Luminaire Lumens	2950
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.30 m
Luminous Height	0.00 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2828	2664	2655
55	1658	1740	1623
65	1064	1285	1211
75	1222	1131	1445
85	1529	1902	1837

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ZONAL LUMEN SUMMARY

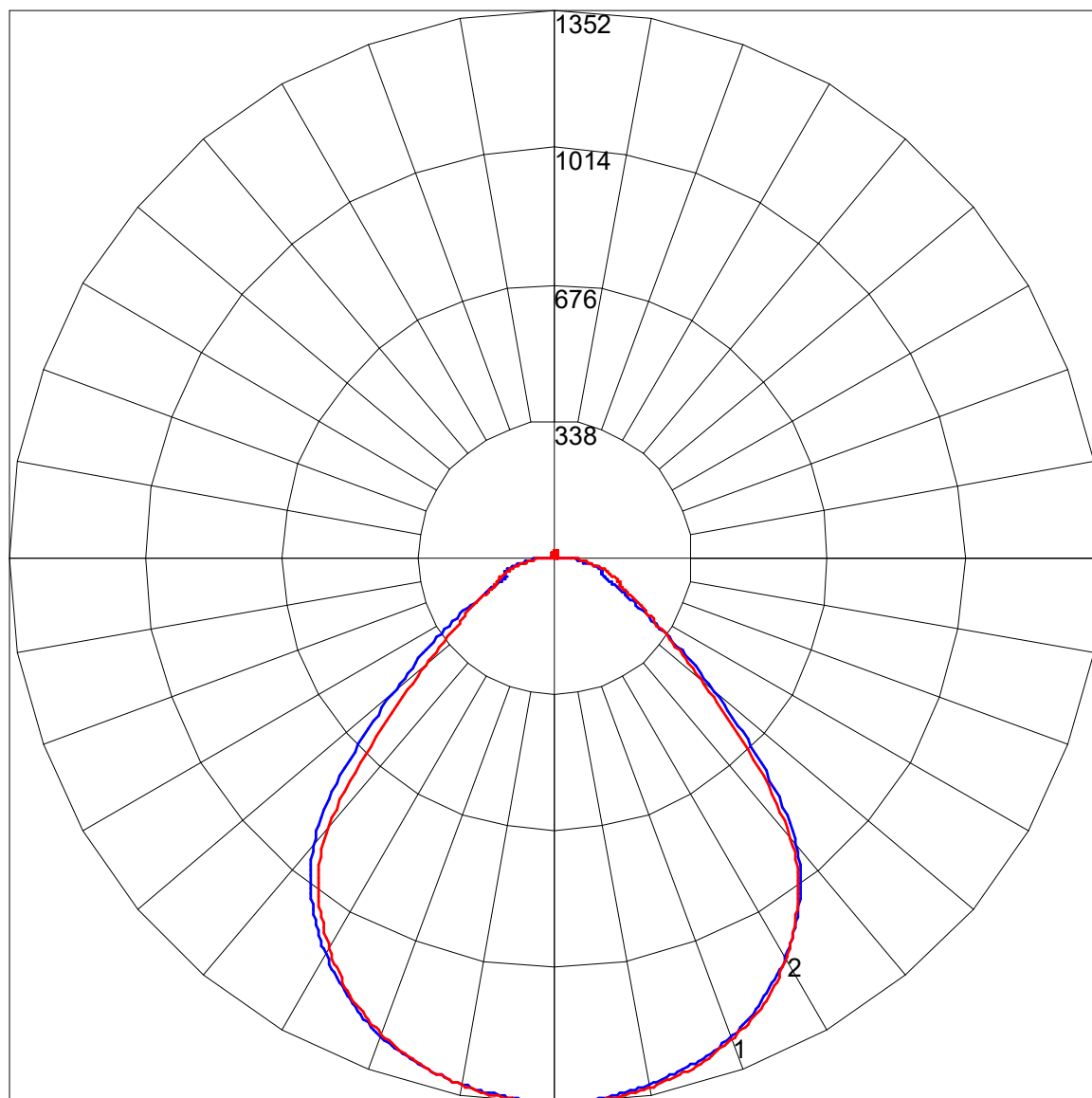
Zone	Lumens	%Lamp	%Fixt
0-20	494.88	16.80	16.80
0-30	1050.54	35.60	35.60
0-40	1697.08	57.50	57.50
0-60	2539.38	86.10	86.10
0-80	2847.74	96.50	96.50
0-90	2902.07	98.40	98.40
10-90	2774.37	94.00	94.00
20-40	1202.2	40.80	40.80
20-50	1728.82	58.60	58.60
40-70	1031.55	35.00	35.00
60-80	308.37	10.50	10.50
70-80	119.11	4.00	4.00
80-90	54.33	1.80	1.80
90-110	7.16	0.20	0.20
90-120	13.26	0.40	0.40
90-130	20.62	0.70	0.70
90-150	35.79	1.20	1.20
90-180	47.92	1.60	1.60
110-180	40.76	1.40	1.40
0-180	2949.99	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.70
10-20	367.17
20-30	555.66
30-40	646.54
40-50	526.62
50-60	315.68
60-70	189.25
70-80	119.11
80-90	54.33
90-100	2.80
100-110	4.36
110-120	6.10
120-130	7.36
130-140	7.81
140-150	7.36
150-160	6.22
160-170	4.33
170-180	1.59

POLAR GRAPH



Maximum Candela = 1351.735 Located At Horizontal Angle = 90, Vertical Angle = 1.5

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

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