



IES INDOOR REPORT

PHOTOMETRIC FILENAME : QUARTZ_12V_20W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] LUXNET
 [ISSUEDATE] 5/5/2020
 [MANUFAC] BeLuce Canada Inc.
 [LAMP] Quartz Lamp 12V 20W WHT
 [MORE] BeLuce LUXNET REMOTE HEAD CAT
 [MORE] SPECULAR REFLECTOR AND PRISMATIC GLASS LENS
 [MORE] LUMEN RATING = 299 LMS

CHARACTERISTICS

Lumens Per Lamp	299 (1 lamp)
Total Lamp Lumens	299
Luminaire Lumens	117
Total Luminaire Efficiency	39 %
Luminaire Efficacy Rating (LER)	6
Total Luminaire Watts	20
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.16
Spacing Criterion (90-270)	0.16
Spacing Criterion (Diagonal)	0.18
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</u>
0	2057
1	2001
2	1834
3	1499
4	1114
5	810
6	594
7	453
8	374
9	322
10	271
11	224
12	173
13	129
14	94
15	65
16	51
17	43
18	40
19	35
20	26
21	23
22	21
23	17
24	18
25	17
26	14
27	15
28	18
29	18
30	16
31	13
32	14
33	13
34	15
35	13
36	15
37	14
38	14
39	14
40	15
41	13
42	16
43	14
44	14
45	14
46	12
47	13
48	11
49	9
50	7
51	8
52	5
53	4

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CANDELA TABULATION - (Cont.)

54	2
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	0
65	0
66	0
67	0
68	0
69	0
70	0
71	0
90	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	88.10	29.50	75.30
0-30	96.42	32.20	82.40
0-40	105.26	35.20	90.00
0-60	116.96	39.10	100.00
0-80	116.96	39.10	100.00
0-90	116.96	39.10	100.00
10-90	53.71	18.00	45.90
20-40	17.15	5.70	14.70
20-50	26.92	9.00	23.00
40-70	11.70	3.90	10.00
60-80	0.00	0.00	0.00
70-80	0.00	0.00	0.00
80-90	0.00	0.00	0.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	116.96	39.10	100.00

Total Luminaire Efficiency = 39.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.24
10-20	24.86
20-30	8.32
30-40	8.83
40-50	9.76
50-60	1.94
60-70	0.00
70-80	0.00
80-90	0.00
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

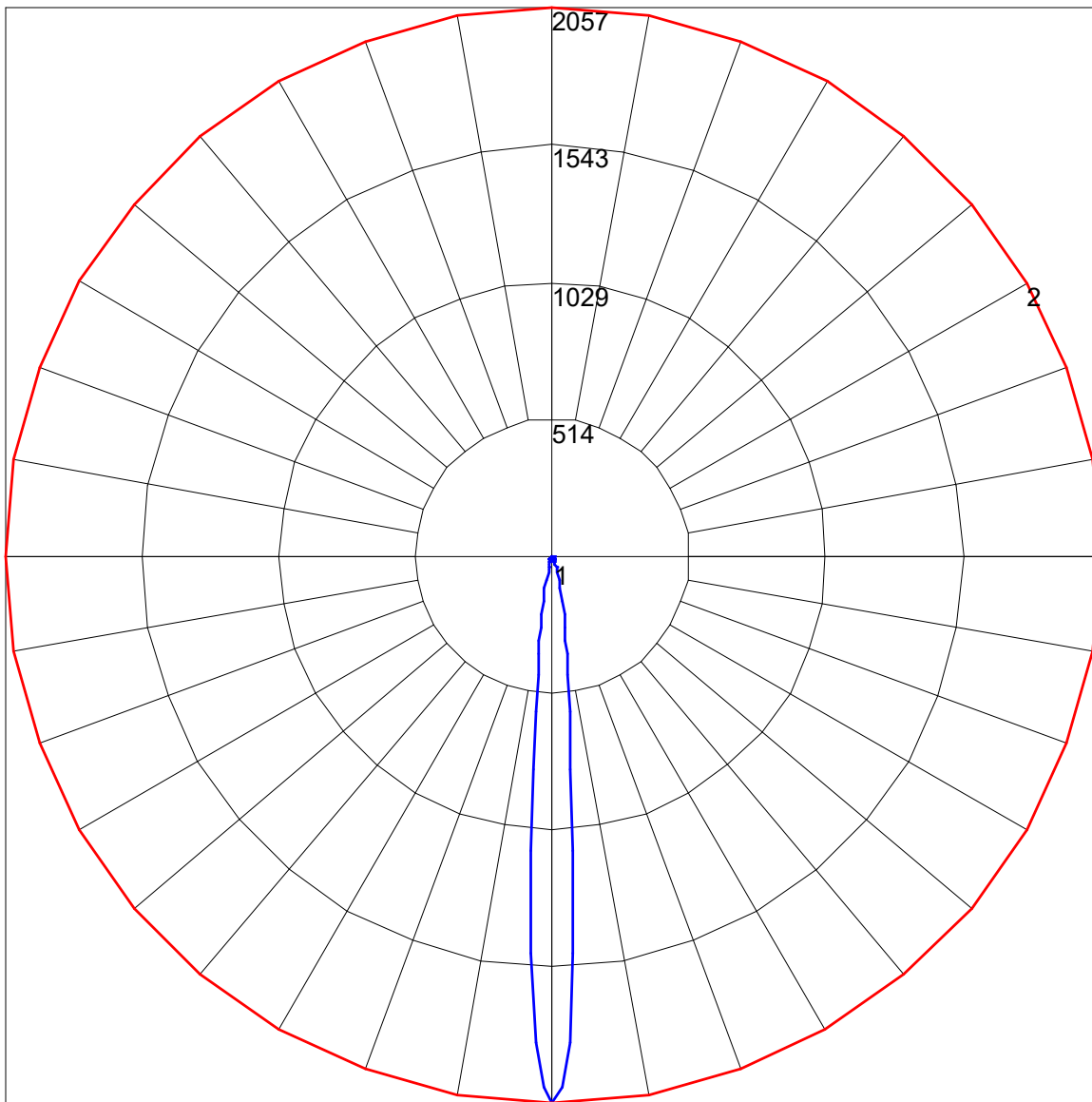
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	47	47	47	47	45	45	45	45	43	43	43	42	42	42	40	40	40	39
1	45	44	43	43	44	43	43	42	42	41	41	40	40	40	39	39	38	38
2	43	42	41	40	43	41	40	39	40	39	39	39	38	38	38	37	37	36
3	42	40	39	38	41	40	38	37	39	38	37	38	37	36	37	36	36	35
4	41	39	37	36	40	38	37	36	37	36	35	37	36	35	36	35	34	34
5	40	37	36	34	39	37	35	34	36	35	34	36	35	34	35	34	33	33
6	38	36	34	33	38	36	34	33	35	34	33	35	34	33	34	33	32	32
7	37	35	33	32	37	35	33	32	34	33	32	34	33	32	34	32	32	31
8	37	34	32	31	36	34	32	31	33	32	31	33	32	31	33	32	31	31
9	36	33	32	31	35	33	32	31	33	31	30	32	31	30	32	31	30	30
10	35	32	31	30	35	32	31	30	32	31	30	32	31	30	32	30	30	29

POLAR GRAPH



Maximum Candela = 2057 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)