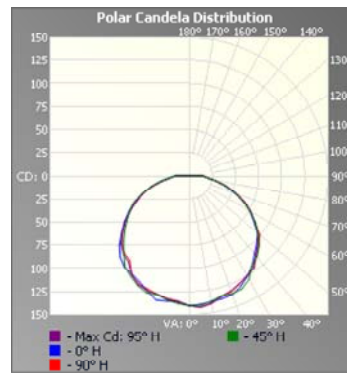


## GENERATION BRANDS

## Goniophotometer Test Report

Filename: 16059 - Cirque Small  
Manufacturer: TECH LIGHTING  
Lamp Output: 1 lamp, rated Lumens/lamp: 472.2  
Max Candela: 142.6 at Horizontal: 95Â°, Vertical: 5Â°  
Input Wattage: 12  
Luminous Opening: Point  
Test Date: 14-Jul-2016 06:50:42  
Test Lab: Generation Brands Internal Testing  
Color Constant: 2572K - 79.4CRI  
Photometry : Type C  
CIE Class: Direct  
Cutoff Class: Semicutoff

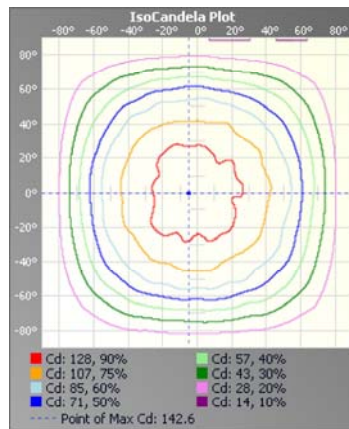
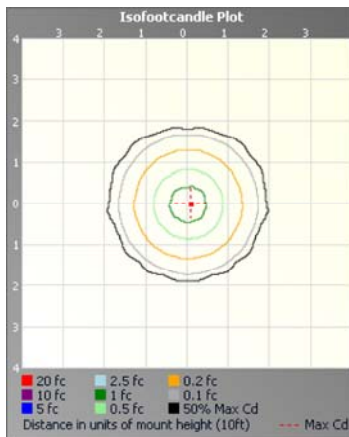


## Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	111.3	23.6%	23.5%
0-40	185.8	39.3%	39.2%
0-60	341.7	72.4%	72%
60-90	128.4	27.2%	27.1%
70-100	69.7	14.8%	14.7%
90-120	4.1	0.9%	0.9%
0-90	470.1	99.5%	99.1%
90-180	4.1	0.9%	0.9%
0-180	474.2	100.4%	100%

## Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	13.2	2.8%	90-100	4.1	0.9%
10-20	38.3	8.1%	100-110	0	0%
20-30	59.8	12.6%	110-120	0	0%
30-40	74.5	15.7%	120-130	0	0%
40-50	80.0	16.9%	130-140	0	0%
50-60	75.9	16.0%	140-150	0	0%
60-70	62.8	13.3%	150-160	0	0%
70-80	42.7	9.0%	160-170	0	0%
80-90	22.8	4.8%	170-180	0	0%



## Candela Table - Type C

	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225		
0	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140		
5	139	139	138	137	138	139	139	140	140	141	141	141	141	141	141	141	141	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	141	140	139	138	137	136	136	137	137	138	138	139	139	139	139	
10	138	137	137	136	137	137	137	137	137	137	137	137	138	138	139	139	139	139	140	140	140	140	141	141	141	141	141	140	140	140	140	140	140	140	139	139	138	137	138	138	139	139	139	139	138	138	137	136
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45	103	102	101	102	103	104	105	106	107	107	107	107	107	105	106	106	107	106	106	105	106	108	108	106	105	105	106	106	108	107	105	103	104	107	108	107	106	107	107	105	102	101	101	101	100	100	100	
50	97	94	93	92	93	94	94	94	96	97	96	95	95	95	97	100	101	100	100	98	97	96	97	97	98	98	98	97	96	95	95	96	98	99	96	95	96	98	96	94	93	95	96	93	91			
55	85	84	84	84	86	87	87	85	87	89	87	85	86	87	88	88	87	86	86	88	89	87	86	86	87	87	88	89	89	86	86	88	89	87	85	86	88	86	83	84	87	86	83	81				
60	76	75	75	74	74	76	77	75	74	75	77	76	75	74	75	77	76	75	77	77	77	76	77	78	77	77	77	77	77	77	78	78	79	77	76	75	74	75	77	76	75	74	75	75	74			
65	64	65	65	63	63	64	64	63	63	64	65	63	63	63	63	64	66	67	66	65	65	65	67	68	67	66	66	67	67	66	65	65	65	64	64	63	63	64	65	65	66	64	61	63	65	65		
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75	40	41	40	39	39	40	40	39	39	40	41	40	40	41	42	41	42	42	42	42	41	41	42	42	41	42	43	43	44	43	42	42	42	42	41	42	42	42	42	42	42	41	40	41	43	42		
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85	19	19	18	19	18	18	19	19	19	18	18	18	18	18	19	19	19	19	19	19	20	20	20	20	20	21	21	21	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	22	22	21		
90	14	14	14	14	14	14	14	14	14	15	15	15	15	16	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	16	16	16	16	16	15	16	16	15	16			
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			

## Luminaire Report Summary

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Reported data calculated from manufacturer's data file, based on IES recommended methods.