

Halco®

LIGHTING TECHNOLOGIES

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 99904.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] Q2015011401
 [TESTLAB]
 [ISSUE DATE] 2015-03-02
 [MANUFAC] Halco Lighting Technologies
 [LUMCAT] 99904 VT1/CL13GRY50/CM/LED
 [LUMINAIRE] Vaportight-10 watt LED array

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	911
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	12.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	1.10
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m



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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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	134.82	N.A.	14.80
0-30	248.52	N.A.	27.30
0-40	408.92	N.A.	44.90
0-60	690.49	N.A.	75.80
0-80	810.21	N.A.	88.90
0-90	836.64	N.A.	91.80
10-90	796.44	N.A.	87.40
20-40	274.10	N.A.	30.10
20-50	422.99	N.A.	46.40
40-70	358.32	N.A.	39.30
60-80	119.72	N.A.	13.10
70-80	42.97	N.A.	4.70
80-90	26.43	N.A.	2.90
90-110	33.03	N.A.	3.60
90-120	44.12	N.A.	4.80
90-130	54.24	N.A.	6.00
90-150	68.58	N.A.	7.50
90-180	74.57	N.A.	8.20
110-180	41.54	N.A.	4.60
0-180	911.21	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	40.20
10-20	94.62
20-30	113.70
30-40	160.40
40-50	148.88
50-60	132.69
60-70	76.75
70-80	42.97
80-90	26.43
90-100	19.18
100-110	13.85
110-120	11.09
120-130	10.12
130-140	8.01
140-150	6.33
150-160	4.10
160-170	1.63
170-180	0.26

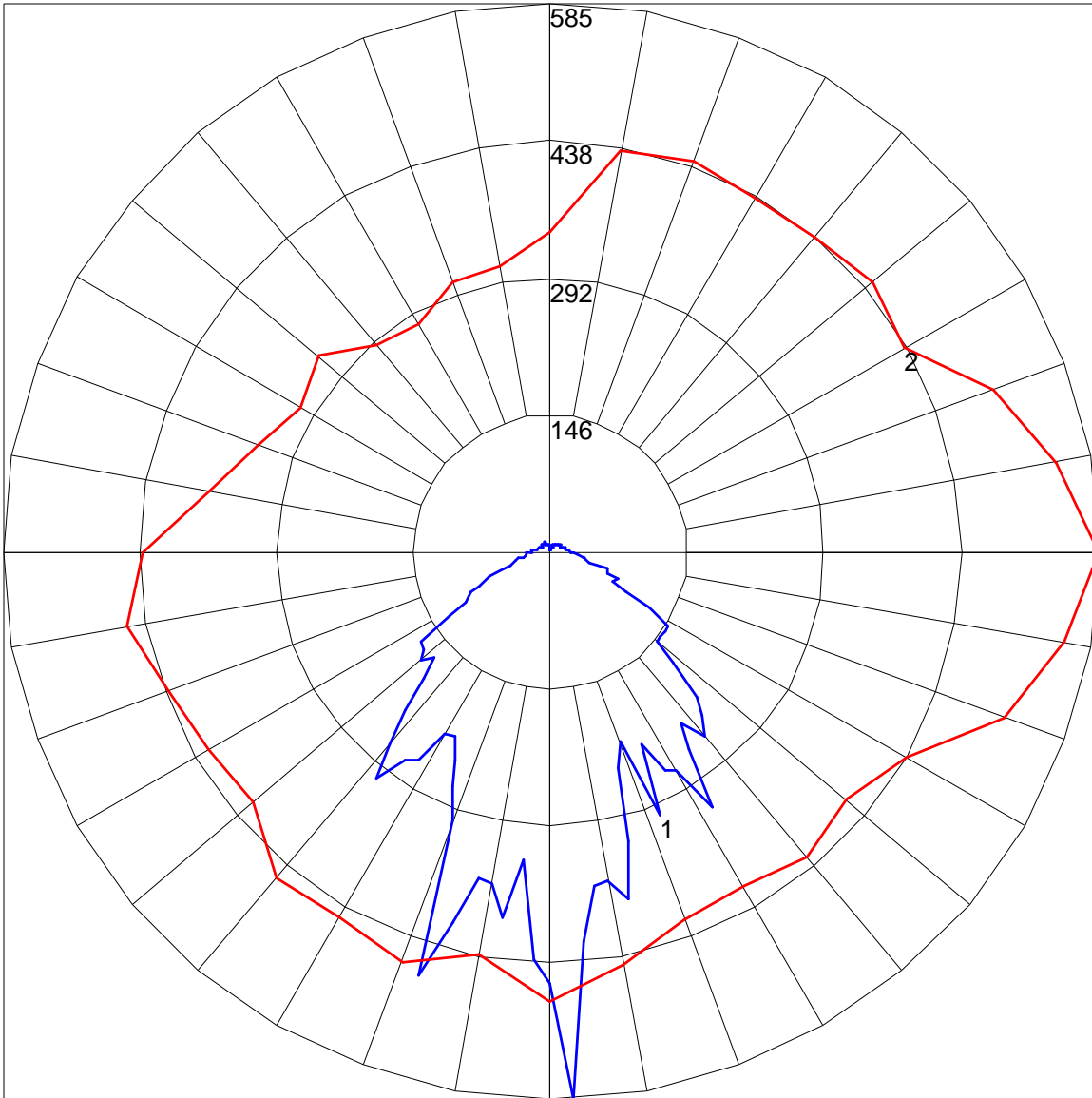
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92
1	107	102	98	95	104	99	96	92	94	91	88	88	86	84	84	82	80	77
2	98	90	84	78	95	87	82	77	83	78	74	78	74	71	74	71	68	65
3	90	80	72	66	87	77	70	65	73	67	62	70	65	60	66	62	58	56
4	82	71	63	56	80	69	61	55	66	59	54	62	57	52	59	55	51	48
5	76	64	55	49	73	62	54	48	59	52	47	56	50	46	54	49	44	42
6	70	58	49	43	68	56	48	42	54	47	41	51	45	40	49	44	39	37
7	65	52	44	38	63	51	43	38	49	42	37	47	41	36	45	39	35	33
8	61	48	40	34	59	47	39	34	45	38	33	43	37	32	41	36	32	30
9	57	44	36	31	55	43	36	31	41	35	30	40	34	29	38	33	29	27
10	54	41	33	28	52	40	33	28	38	32	27	37	31	27	36	30	26	25

POLAR GRAPH



Maximum Candela = 584.582 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)