



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HL2-4-35-R1-RA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 13521207.03  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 10/1/2020  
 [MANUFAC] BARTCO LIGHTING INC  
 [LUMCAT] HL2-8-4-DB-1-AW-1-35-ND-R1-RA-C4-03  
 [LUMINAIRE] White rectangular metal housing with diffuse plastic lens  
 [LAMP] 112 White LEDs  
 [BALLAST] One (1) ADVANCE XI075C200V054BST1  
 [OTHER] 25.5 C, 119.974 V, 0.248812 A, 29.4068 W, 0.985123 PF, 59.9888  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector method of absolute photometry.  
 [MORE] method of absolute photometry.  
 [OTHER] Combined RA and R1 IES files

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	50.21
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.04 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13924	11525	10005
55	13080	9544	7351
65	12145	6734	4281
75	11133	2868	834
85	9730	355	238

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**ZONAL LUMEN SUMMARY**

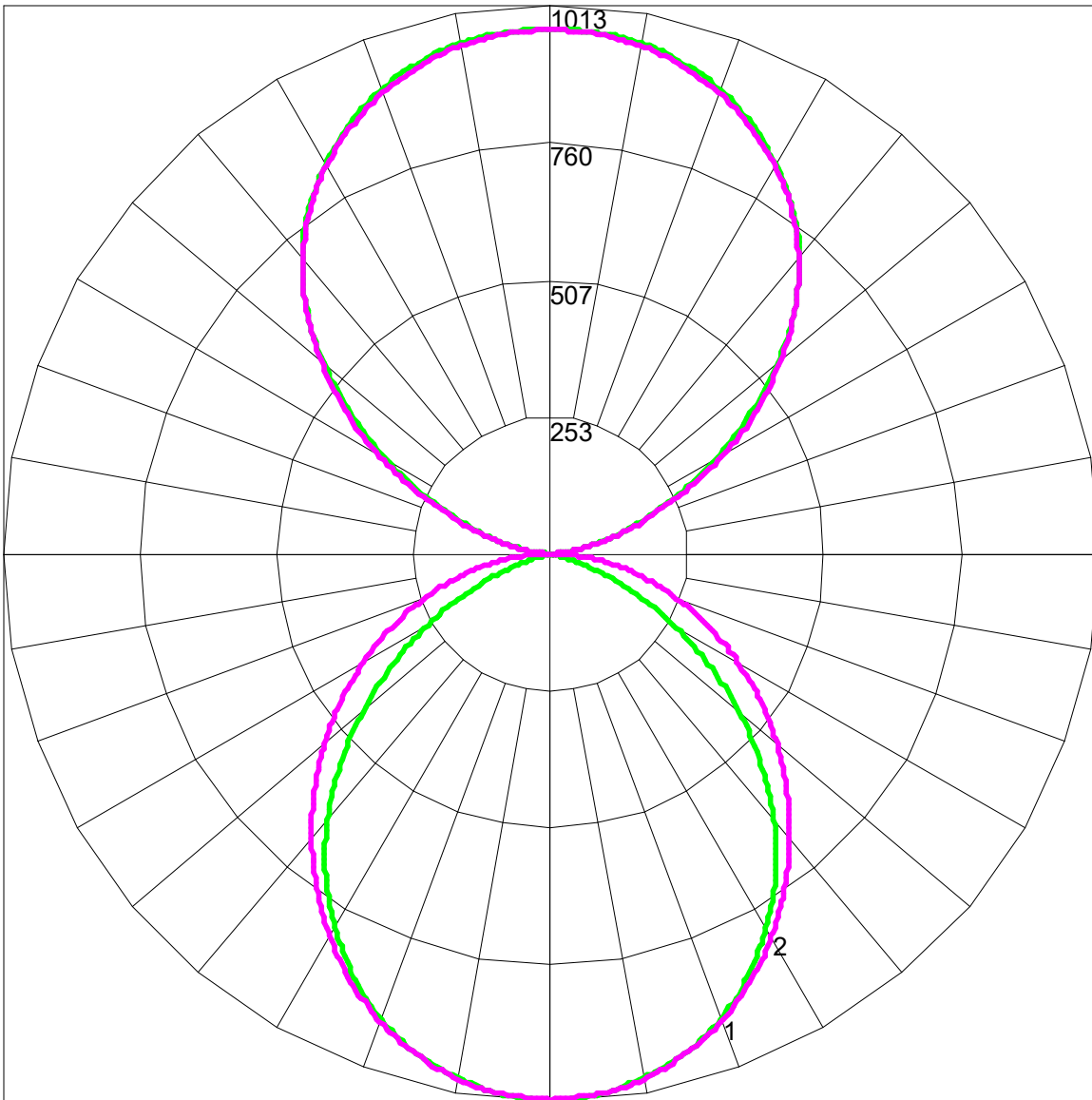
Zone	Lumens	%Lamp	%Fixt
0-20	365.77	N.A.	7.30
0-30	766.19	N.A.	15.20
0-40	1231.1	N.A.	24.50
0-60	2065.67	N.A.	41.10
0-80	2416.27	N.A.	48.10
0-90	2434.59	N.A.	48.50
10-90	2339.23	N.A.	46.60
20-40	865.32	N.A.	17.20
20-50	1321.89	N.A.	26.30
40-70	1082.69	N.A.	21.50
60-80	350.60	N.A.	7.00
70-80	102.47	N.A.	2.00
80-90	18.32	N.A.	0.40
90-110	155.99	N.A.	3.10
90-120	428.93	N.A.	8.50
90-130	842.81	N.A.	16.80
90-150	1827.74	N.A.	36.40
90-180	2590.11	N.A.	51.50
110-180	2434.12	N.A.	48.40
0-180	5024.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	95.35
10-20	270.42
20-30	400.41
30-40	464.91
40-50	456.56
50-60	378.01
60-70	248.13
70-80	102.47
80-90	18.32
90-100	26.76
100-110	129.23
110-120	272.94
120-130	413.88
130-140	495.82
140-150	489.10
150-160	404.87
160-170	265.44
170-180	92.06

POLAR GRAPH



Maximum Candela = 1013 Located At Horizontal Angle = 67.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)