



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 192_168_39_135-11_7_23-MERGED.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13537338.03 & #12326812.10

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 15-MAR-2021

[MANUFAC] H E Williams Inc

[LUMCAT] 8CRDI-TL-L25-9DWU-L25-9DWD-xxx-DIM-UNV-OW-CSU-LN-WHD-WM

[LAMP] Two white LEDs (one up/one down)

[_SEARCH_] SOURCETYPE] LED

[_SEARCH_] APPLICATION] INDOOR, DIRECT, INDIRECT

[_SEARCH_] MOUNTING] WALL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4618
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	75.4
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	Circular w/ Sides
Luminous Length (0-180)	0.65 ft (Diameter)
Luminous Width (90-270)	0.65 ft (Diameter)
Luminous Height	2.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	826	826	826
55	449	449	449
65	255	255	255
75	125	125	125
85	27	27	27

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : 192_168_39_135-11_7_23-MERGED.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0	8609.934	8609.934	8609.934	8609.934	8609.934	8609.934	8609.934	8609.934	8609.934
5	7792.448	7792.448	7792.448	7792.448	7792.448	7792.448	7792.448	7792.448	7792.448
10	5731.179	5731.179	5731.179	5731.179	5731.179	5731.179	5731.179	5731.179	5731.179
15	3346.427	3346.427	3346.427	3346.427	3346.427	3346.427	3346.427	3346.427	3346.427
20	1685.125	1685.125	1685.125	1685.125	1685.125	1685.125	1685.125	1685.125	1685.125
25	795.419	795.419	795.419	795.419	795.419	795.419	795.419	795.419	795.419
30	381.410	381.410	381.410	381.410	381.410	381.410	381.410	381.410	381.410
35	206.378	206.378	206.378	206.378	206.378	206.378	206.378	206.378	206.378
40	130.397	130.397	130.397	130.397	130.397	130.397	130.397	130.397	130.397
45	93.785	93.785	93.785	93.785	93.785	93.785	93.785	93.785	93.785
50	71.467	71.467	71.467	71.467	71.467	71.467	71.467	71.467	71.467
55	55.669	55.669	55.669	55.669	55.669	55.669	55.669	55.669	55.669
60	43.507	43.507	43.507	43.507	43.507	43.507	43.507	43.507	43.507
65	33.351	33.351	33.351	33.351	33.351	33.351	33.351	33.351	33.351
70	24.324	24.324	24.324	24.324	24.324	24.324	24.324	24.324	24.324
75	16.676	16.676	16.676	16.676	16.676	16.676	16.676	16.676	16.676
80	9.780	9.780	9.780	9.780	9.780	9.780	9.780	9.780	9.780
85	3.636	3.636	3.636	3.636	3.636	3.636	3.636	3.636	3.636
90	4.671	4.671	4.671	4.671	4.671	4.671	4.671	4.671	4.671
95	5.017	5.017	5.017	5.017	5.017	5.017	5.017	5.017	5.017
100	6.069	6.069	6.069	6.069	6.069	6.069	6.069	6.069	6.069
105	7.508	7.508	7.508	7.508	7.508	7.508	7.508	7.508	7.508
110	9.472	9.472	9.472	9.472	9.472	9.472	9.472	9.472	9.472
115	12.420	12.420	12.420	12.420	12.420	12.420	12.420	12.420	12.420
120	17.191	17.191	17.191	17.191	17.191	17.191	17.191	17.191	17.191
125	26.032	26.032	26.032	26.032	26.032	26.032	26.032	26.032	26.032
130	41.364	41.364	41.364	41.364	41.364	41.364	41.364	41.364	41.364
135	65.886	65.886	65.886	65.886	65.886	65.886	65.886	65.886	65.886
140	262.457	262.457	262.457	262.457	262.457	262.457	262.457	262.457	262.457
145	932.864	932.864	932.864	932.864	932.864	932.864	932.864	932.864	932.864
150	1651.018	1651.018	1651.018	1651.018	1651.018	1651.018	1651.018	1651.018	1651.018
155	1957.997	1957.997	1957.997	1957.997	1957.997	1957.997	1957.997	1957.997	1957.997
160	1918.353	1918.353	1918.353	1918.353	1918.353	1918.353	1918.353	1918.353	1918.353
165	1815.559	1815.559	1815.559	1815.559	1815.559	1815.559	1815.559	1815.559	1815.559
170	1739.779	1739.779	1739.779	1739.779	1739.779	1739.779	1739.779	1739.779	1739.779
175	1587.868	1587.868	1587.868	1587.868	1587.868	1587.868	1587.868	1587.868	1587.868
180	1472.509	1472.509	1472.509	1472.509	1472.509	1472.509	1472.509	1472.509	1472.509

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 192_168_39_135-11_7_23-MERGED.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1633.02	N.A.	35.40
0-30	2042.11	N.A.	44.20
0-40	2184.85	N.A.	47.30
0-60	2310.32	N.A.	50.00
0-80	2361.4	N.A.	51.10
0-90	2367.32	N.A.	51.30
10-90	1687.46	N.A.	36.50
20-40	551.84	N.A.	11.90
20-50	626.74	N.A.	13.60
40-70	158.76	N.A.	3.40
60-80	51.08	N.A.	1.10
70-80	17.80	N.A.	0.40
80-90	5.92	N.A.	0.10
90-110	13.74	N.A.	0.30
90-120	26.48	N.A.	0.60
90-130	51.12	N.A.	1.10
90-150	713.51	N.A.	15.40
90-180	2251.05	N.A.	48.70
110-180	2237.31	N.A.	48.40
0-180	4618.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	679.87
10-20	953.15
20-30	409.09
30-40	142.74
40-50	74.90
50-60	50.57
60-70	33.29
70-80	17.80
80-90	5.92
90-100	5.66
100-110	8.07
110-120	12.74
120-130	24.65
130-140	82.47
140-150	579.92
150-160	863.28
160-170	518.63
170-180	155.63

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 192_168_39_135-11_7_23-MERGED.IES

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	10	0
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	101	98	95	92	93	91	88	86	78	76	75	66	65	64	55	54	54	49
2	95	89	85	81	88	83	79	76	72	69	67	62	60	59	52	51	50	46
3	89	82	77	72	83	77	72	69	67	64	61	58	56	54	50	49	48	44
4	84	76	70	65	78	71	66	62	63	59	57	55	53	51	48	47	45	42
5	79	71	65	60	74	67	61	58	59	56	53	53	50	48	46	45	43	40
6	75	66	60	56	70	63	57	53	56	52	49	50	47	45	45	43	41	39
7	71	62	56	52	67	59	54	50	53	49	46	48	45	43	43	41	40	37
8	68	59	53	49	64	56	51	47	51	47	44	46	43	41	42	40	38	36
9	65	55	50	46	61	53	48	44	48	45	42	44	41	39	40	38	37	35
10	62	53	47	43	59	51	46	42	46	43	40	43	40	38	39	37	35	34

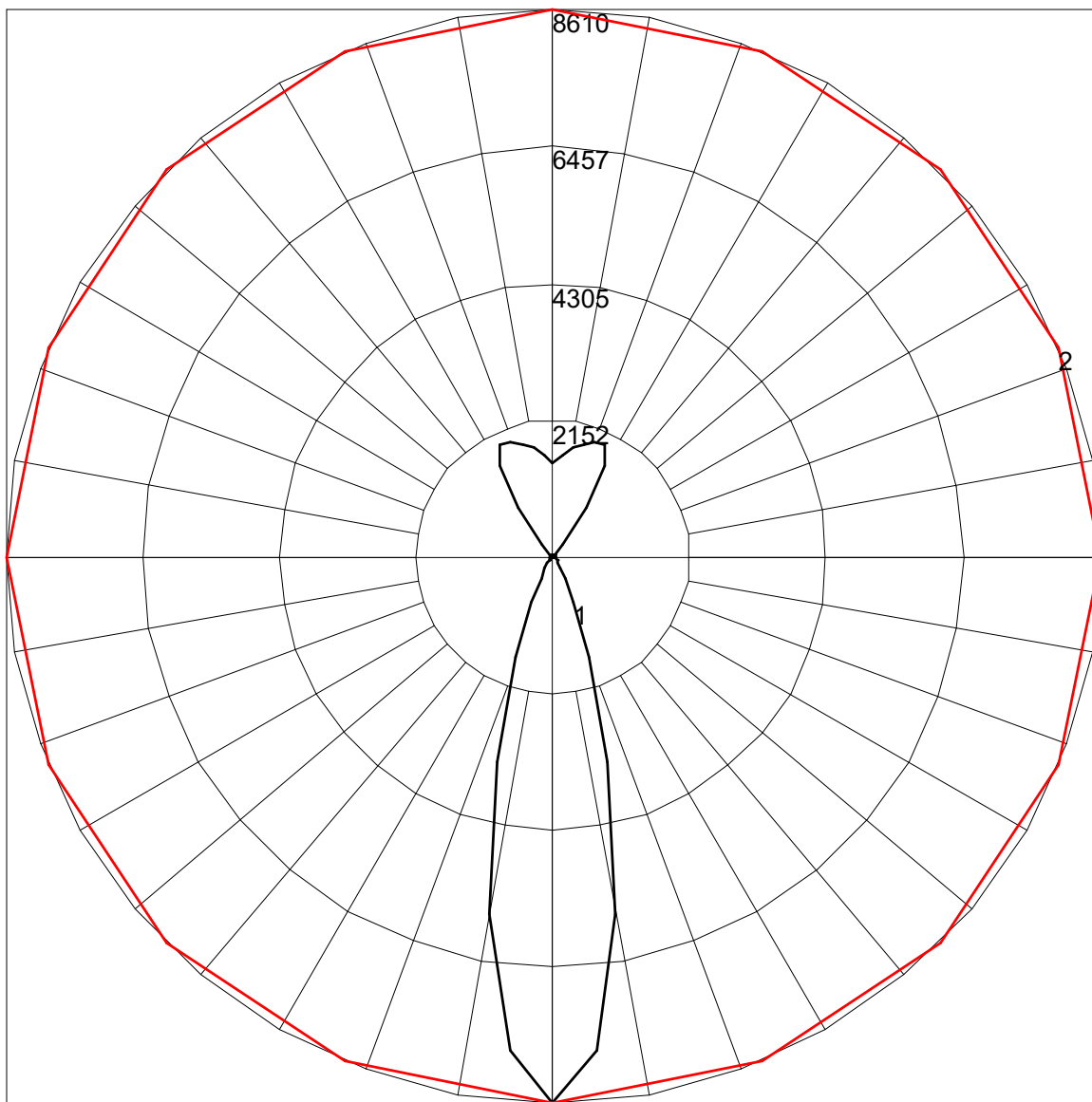
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 192_168_39_135-11_7_23-MERGED.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	3H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	4H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	6H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	8H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	12H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
4H	2H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	3H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	4H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	6H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	8H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	12H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
8H	4H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	6H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	8H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	12H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
12H	4H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	6H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	8H	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3

Maximum UGR = 5.3

POLAR GRAPH



Maximum Candela = 8609.934 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)