



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 192\_168\_39\_135-11\_3\_12-MERGED.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #13537338.03 & #12326812.09

[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-LM-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	4576
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	973	973	973
55	529	529	529
65	301	301	301
75	147	147	147
85	33	33	33

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : 192\_168\_39\_135-11\_3\_12-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	5393.574	5393.574	5393.574	5393.574	5393.574	5393.574	5393.574	5393.574	5393.574
5	5182.208	5182.208	5182.208	5182.208	5182.208	5182.208	5182.208	5182.208	5182.208
10	4551.838	4551.838	4551.838	4551.838	4551.838	4551.838	4551.838	4551.838	4551.838
15	3391.810	3391.810	3391.810	3391.810	3391.810	3391.810	3391.810	3391.810	3391.810
20	2036.578	2036.578	2036.578	2036.578	2036.578	2036.578	2036.578	2036.578	2036.578
25	1053.102	1053.102	1053.102	1053.102	1053.102	1053.102	1053.102	1053.102	1053.102
30	527.794	527.794	527.794	527.794	527.794	527.794	527.794	527.794	527.794
35	275.398	275.398	275.398	275.398	275.398	275.398	275.398	275.398	275.398
40	160.638	160.638	160.638	160.638	160.638	160.638	160.638	160.638	160.638
45	110.532	110.532	110.532	110.532	110.532	110.532	110.532	110.532	110.532
50	83.801	83.801	83.801	83.801	83.801	83.801	83.801	83.801	83.801
55	65.648	65.648	65.648	65.648	65.648	65.648	65.648	65.648	65.648
60	51.474	51.474	51.474	51.474	51.474	51.474	51.474	51.474	51.474
65	39.414	39.414	39.414	39.414	39.414	39.414	39.414	39.414	39.414
70	28.845	28.845	28.845	28.845	28.845	28.845	28.845	28.845	28.845
75	19.645	19.645	19.645	19.645	19.645	19.645	19.645	19.645	19.645
80	11.439	11.439	11.439	11.439	11.439	11.439	11.439	11.439	11.439
85	4.352	4.352	4.352	4.352	4.352	4.352	4.352	4.352	4.352
90	4.793	4.793	4.793	4.793	4.793	4.793	4.793	4.793	4.793
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\_3\_12-MERGED.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1393.24	N.A.	30.40
0-30	1917.35	N.A.	41.90
0-40	2108.37	N.A.	46.10
0-60	2257.42	N.A.	49.30
0-80	2317.79	N.A.	50.70
0-90	2324.58	N.A.	50.80
10-90	1849.94	N.A.	40.40
20-40	715.14	N.A.	15.60
20-50	804.62	N.A.	17.60
40-70	188.42	N.A.	4.10
60-80	60.37	N.A.	1.30
70-80	20.99	N.A.	0.50
80-90	6.79	N.A.	0.10
90-110	13.77	N.A.	0.30
90-120	26.51	N.A.	0.60
90-130	51.16	N.A.	1.10
90-150	713.55	N.A.	15.60
90-180	2251.08	N.A.	49.20
110-180	2237.31	N.A.	48.90
0-180	4575.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	474.65
10-20	918.59
20-30	524.11
30-40	191.02
40-50	89.48
50-60	59.57
60-70	39.38
70-80	20.99
80-90	6.79
90-100	5.70
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\_3\_12-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	100	97	94	91	93	90	88	85	77	75	74	65	64	63	54	53	53	48
2	94	88	84	80	87	82	78	75	71	68	66	61	59	57	51	50	49	45
3	88	81	75	71	82	76	71	67	66	63	60	57	55	53	49	47	46	42
4	83	74	68	64	77	70	65	61	62	58	55	54	51	49	47	45	43	40
5	78	69	63	58	73	65	60	55	58	54	51	51	48	46	44	43	41	38
6	74	64	58	53	69	61	55	51	54	50	47	48	45	43	42	40	39	36
7	70	60	54	49	65	57	51	47	51	47	44	46	43	40	41	39	37	35
8	66	56	50	46	62	53	48	44	48	44	41	44	40	38	39	37	35	33
9	63	53	47	43	59	50	45	42	46	42	39	42	38	36	37	35	34	32
10	60	50	44	40	56	48	43	39	44	40	37	40	37	35	36	34	32	31

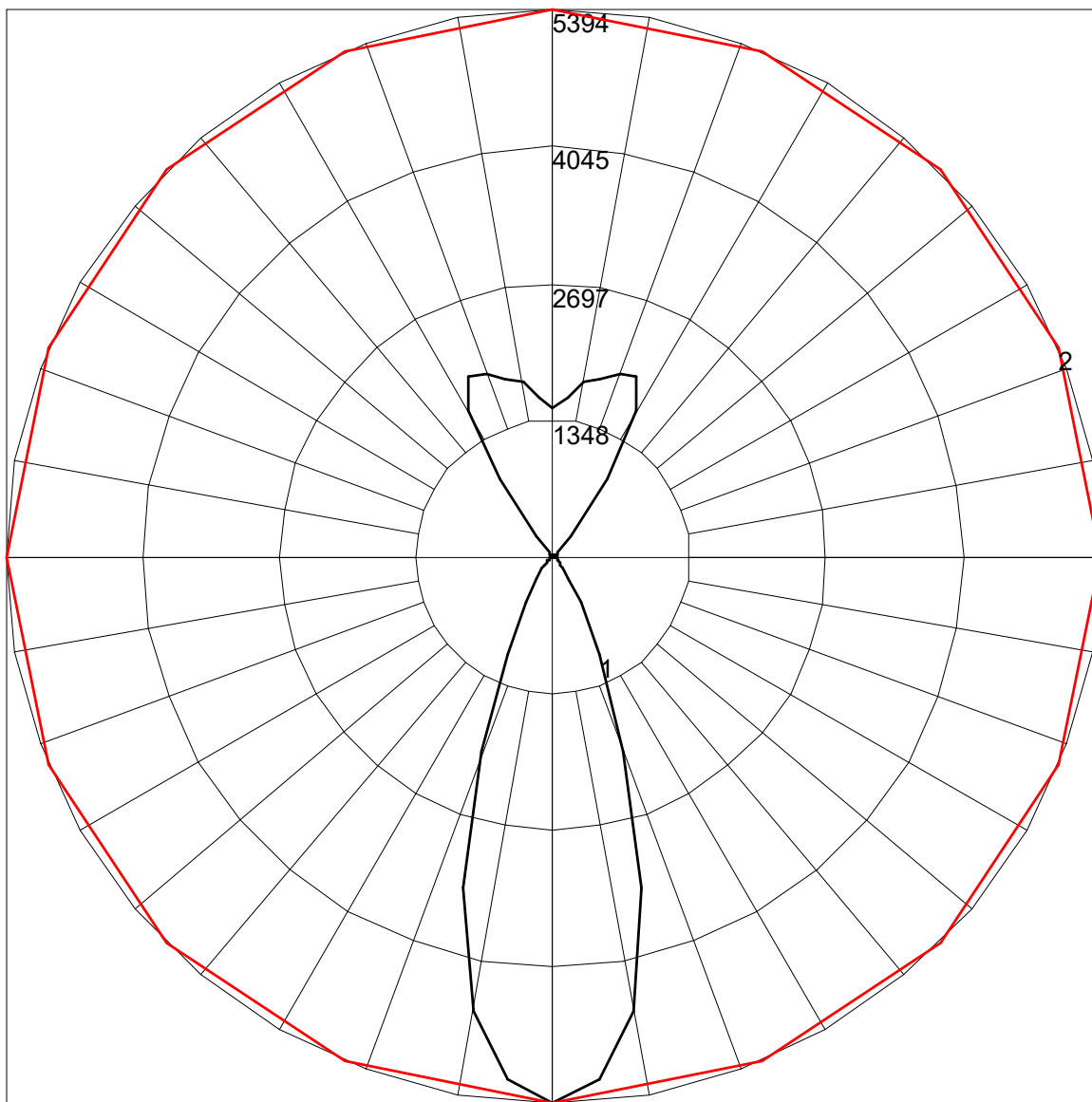
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 192\_168\_39\_135-11\_3\_12-MERGED.IES**

**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 = 5393.574 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.)