



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8DR-L35-8TW-ON-CS-DIM-UNV 4000K\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[ISSUEDATE] 18-JUN-2021

[MANUFAC] H.E. WILLIAMS

[LUMCAT] 8DR-TL-L35/8TW-ON-CS-DIM-UNV 4000k

[LUMINAIRE] 8.5 INCH RECESSED LED DOWNLIGHT FIXTURE WITH

[MORE] SEMI-SPECULAR TRIM, (1) LED MODULE AND (1) TUNABLE WHITE

[MORE] ELECTRONIC DRIVER

[ MOUNTING] RECESSED

[ ABSOLUTE] TEST ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS

[MORE] CREATED USING A 1000 WATT, NIST TRACEABLE, OMNIDIRECTIONAL

[MORE] LAB LUMEN STANDARD IN THE GONIOPHOTOMETER WITH A TEST

[MORE] DISTANCE OF 28 FEET

[ ABSOLUTENOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

[ ABSOLUTELUMENS]10287

[ CONVERT] Photometric web converted from original test data

[ CONVERT] Photometric web converted from original test data

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3159
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	47.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.68
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.71 ft (Diameter)
Luminous Width (90-270)	0.71 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5261	5261	5261
55	473	473	473
65	298	298	298
75	187	187	187
85	111	111	111

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CANDELA TABULATION

	<u>0</u>
0.0	5615.762
2.5	5675.761
5.0	5539.432
7.5	5332.099
10.0	4869.858
12.5	4362.884
15.0	3828.574
17.5	3291.068
20.0	2720.546
22.5	2275.346
25.0	1956.180
27.5	1695.237
30.0	1430.035
32.5	1156.312
35.0	885.429
37.5	626.972
40.0	402.597
42.5	243.901
45.0	136.329
47.5	58.579
50.0	19.526
52.5	12.071
55.0	9.941
57.5	8.521
60.0	7.100
62.5	5.680
65.0	4.615
67.5	3.550
70.0	2.840
72.5	2.130
75.0	1.775
77.5	1.420
80.0	1.065
82.5	0.710
85.0	0.355
87.5	0.355
90.0	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1560.95	N.A.	49.40
0-30	2470.13	N.A.	78.20
0-40	3020.42	N.A.	95.60
0-60	3151.98	N.A.	99.80
0-80	3158.54	N.A.	100.00
0-90	3159.08	N.A.	100.00
10-90	2649.83	N.A.	83.90
20-40	1459.48	N.A.	46.20
20-50	1581.29	N.A.	50.10
40-70	136.20	N.A.	4.30
60-80	6.56	N.A.	0.20
70-80	1.92	N.A.	0.10
80-90	0.53	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3159.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	509.25
10-20	1051.7
20-30	909.18
30-40	550.29
40-50	121.81
50-60	9.75
60-70	4.64
70-80	1.92
80-90	0.53
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

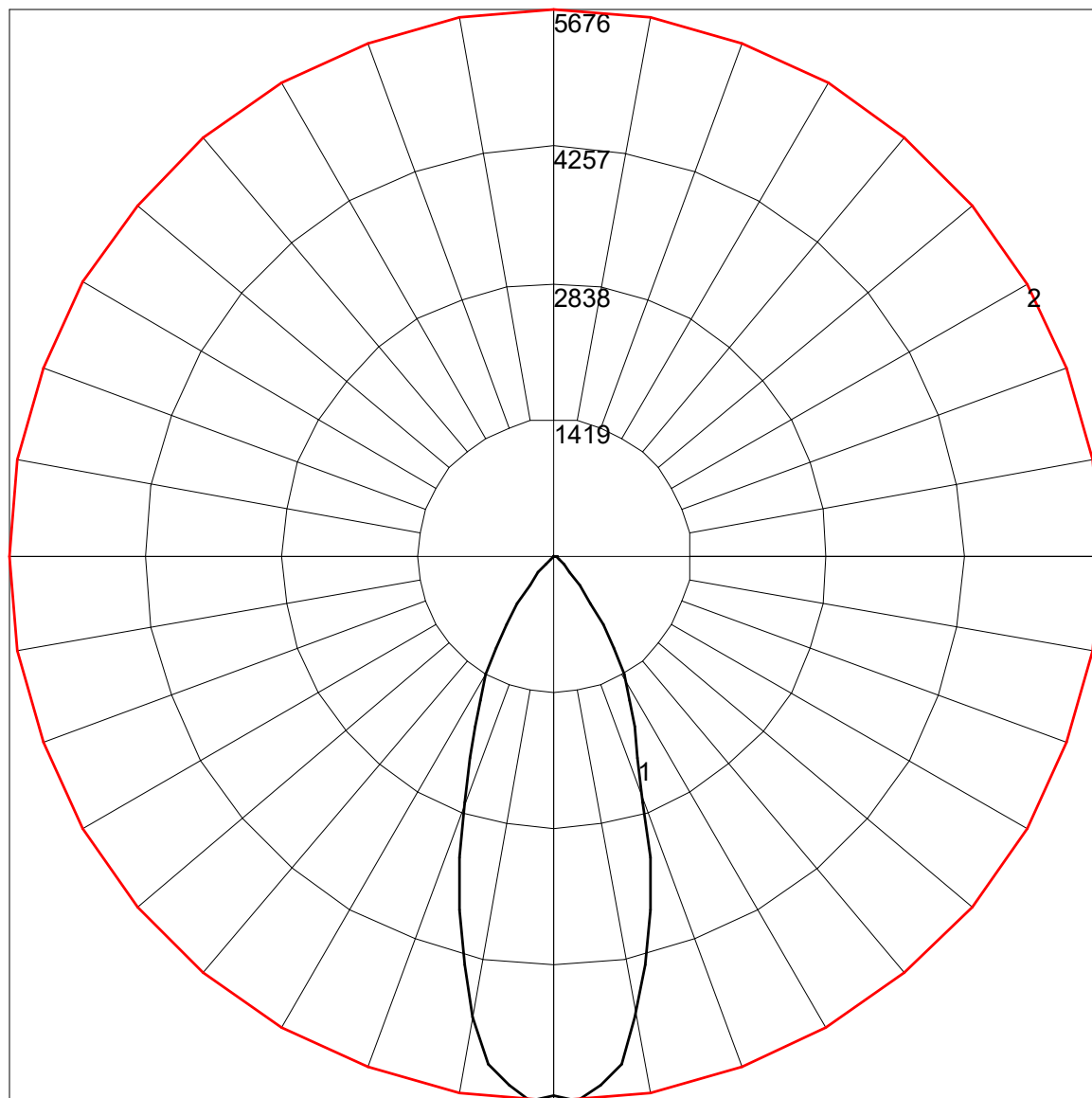
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	10	0
0	399	399	399	399	390	390	390	390	373	373	373	357	357	357	342	342	342	335
1	382	374	366	359	374	366	359	353	353	347	342	340	336	332	329	326	323	317
2	365	350	338	327	358	344	333	324	334	324	316	324	316	310	315	309	303	298
3	349	329	314	302	342	324	310	299	316	304	294	308	298	290	300	292	285	280
4	333	310	293	280	327	306	291	278	299	286	275	293	281	272	287	277	269	264
5	318	293	275	262	313	290	273	260	284	269	258	278	266	256	273	262	254	249
6	304	277	259	246	300	274	257	245	270	254	243	265	252	241	261	249	240	235
7	291	263	244	231	287	260	243	231	256	241	229	252	239	228	249	237	227	223
8	279	249	231	219	275	248	230	218	244	228	217	241	227	216	238	225	215	211
9	267	237	219	207	264	236	219	207	233	217	206	230	216	205	227	214	205	201
10	256	226	209	197	253	225	208	197	222	207	196	220	206	196	218	204	195	191

POLAR GRAPH



Maximum Candela = 5675.761 Located At Horizontal Angle = 0, Vertical Angle = 2.5

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)