



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[ISSUE DATE] 17-JUN-2021

[MANUFACTURER] H.E. WILLIAMS

[LUMEN CATEGORY] 8DR-TL-L35/8TW-OM-CS-DIM-UNV 4000k

[LUMINAIRE] 8.5 INCH RECESSED LED DOWNLIGHT FIXTURE WITH

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

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

[ABSOLUTE LUMENS] 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	3448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	47.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.78
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5435	5435	5435
55	868	868	868
65	600	600	600
75	399	399	399
85	216	216	216

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.IES

CANDELA TABULATION

	<u>0</u>
0.0	4922.368
2.5	4947.159
5.0	4937.174
7.5	4782.575
10.0	4762.949
12.5	4476.477
15.0	4150.408
17.5	3778.544
20.0	3348.147
22.5	2887.450
25.0	2408.503
27.5	2004.274
30.0	1592.471
32.5	1209.244
35.0	898.670
37.5	634.578
40.0	412.837
42.5	250.319
45.0	140.826
47.5	65.076
50.0	30.644
52.5	22.725
55.0	18.249
57.5	15.494
60.0	13.084
62.5	11.018
65.0	9.296
67.5	7.575
70.0	6.198
72.5	5.165
75.0	3.787
77.5	2.755
80.0	1.722
82.5	1.377
85.0	0.689
87.5	0.345
90.0	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1608.42	N.A.	46.60
0-30	2715.19	N.A.	78.70
0-40	3289.06	N.A.	95.40
0-60	3433.75	N.A.	99.60
0-80	3447.14	N.A.	100.00
0-90	3448.03	N.A.	100.00
10-90	2985.84	N.A.	86.60
20-40	1680.64	N.A.	48.70
20-50	1807.9	N.A.	52.40
40-70	153.96	N.A.	4.50
60-80	13.40	N.A.	0.40
70-80	4.13	N.A.	0.10
80-90	0.89	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	3448.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	462.19
10-20	1146.23
20-30	1106.77
30-40	573.87
40-50	127.26
50-60	17.43
60-70	9.27
70-80	4.13
80-90	0.89
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.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	399	399	399	399	390	390	390	390	373	373	373	357	357	357	342	342	342	335
1	382	373	365	358	374	366	359	352	352	347	342	340	335	331	328	325	322	316
2	364	349	336	326	357	343	332	322	333	323	315	323	315	308	314	307	302	297
3	348	328	312	299	341	323	309	297	314	302	292	306	296	288	299	291	283	278
4	332	308	291	278	326	304	288	276	297	283	273	291	279	269	285	275	266	262
5	316	290	272	259	311	287	270	257	281	267	255	276	263	253	271	260	251	246
6	302	274	256	242	297	272	254	241	267	251	240	262	248	238	258	246	236	232
7	288	259	241	228	284	257	240	227	253	237	226	249	235	225	246	233	223	219
8	276	246	227	214	272	244	226	214	241	225	213	237	223	212	234	221	211	207
9	264	234	215	203	260	232	214	202	229	213	202	226	211	201	223	210	200	196
10	253	222	204	192	249	221	204	192	218	202	191	216	201	191	213	200	190	186

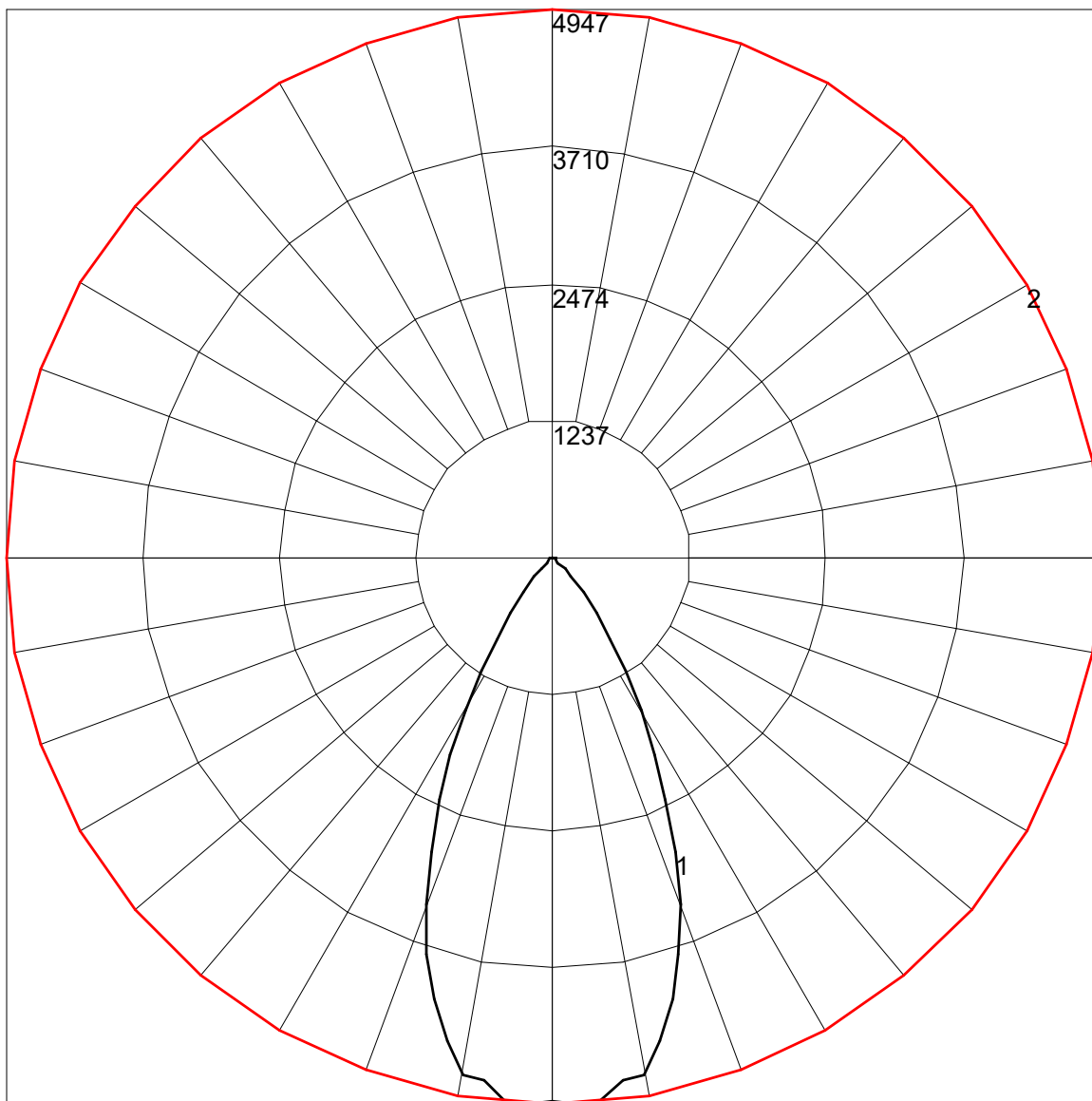
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 8DR-L35-8TW-OM-CS-DIM-UNV 4000K_.IES

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	3H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	4H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	6H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	8H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	12H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
4H	2H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	3H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	4H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	6H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	8H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	12H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8H	4H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	6H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	8H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	12H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12H	4H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	6H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	8H	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Maximum UGR = 0.1

POLAR GRAPH



Maximum Candela = 4947.159 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.)