



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8DR-P11-835-POE-OM-CS_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB]

[ISSUE DATE] 22-JUN-2021

[MANUFAC] H.E. WILLIAMS

[LUMCAT] 8DR-TL-P11/835-PoE-OM-CS

[LUMINAIRE] 8.5 INCH RECESSED LED DOWNLIGHT PoE FIXTURE WITH

[MORE]SEMI-SPECULAR TRIM

[LAMPCAT] X1-3500K LED

[LAMP] (1) 3500K LED MODULE

[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	1094
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	11.6
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

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1724	1724	1724
55	275	275	275
65	190	190	190
75	127	127	127
85	69	69	69

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CANDELA TABULATION

	<u>0</u>
0.0	1561.795
2.5	1569.661
5.0	1566.493
7.5	1517.441
10.0	1511.214
12.5	1420.321
15.0	1316.864
17.5	1198.877
20.0	1062.318
22.5	916.146
25.0	764.183
27.5	635.927
30.0	505.268
32.5	383.676
35.0	285.135
37.5	201.342
40.0	130.987
42.5	79.423
45.0	44.682
47.5	20.648
50.0	9.723
52.5	7.210
55.0	5.790
57.5	4.916
60.0	4.151
62.5	3.496
65.0	2.950
67.5	2.404
70.0	1.967
72.5	1.639
75.0	1.202
77.5	0.874
80.0	0.546
82.5	0.437
85.0	0.219
87.5	0.109
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	510.33	N.A.	46.60
0-30	861.49	N.A.	78.70
0-40	1043.57	N.A.	95.40
0-60	1089.48	N.A.	99.60
0-80	1093.73	N.A.	100.00
0-90	1094.01	N.A.	100.00
10-90	947.36	N.A.	86.60
20-40	533.24	N.A.	48.70
20-50	573.62	N.A.	52.40
40-70	48.85	N.A.	4.50
60-80	4.25	N.A.	0.40
70-80	1.31	N.A.	0.10
80-90	0.28	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	1094.01	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	146.65
10-20	363.68
20-30	351.16
30-40	182.08
40-50	40.38
50-60	5.53
60-70	2.94
70-80	1.31
80-90	0.28
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 RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	20	20	20	20	20	20	20	20	19	19	19	18	18	18	18	18	18	17
1	20	19	19	18	19	19	18	18	18	18	18	17	17	17	17	17	17	16
2	19	18	17	17	18	18	17	17	17	17	16	17	16	16	16	16	15	15
3	18	17	16	15	17	17	16	15	16	15	15	16	15	15	15	15	15	14
4	17	16	15	14	17	16	15	14	15	15	14	15	14	14	15	14	14	13
5	16	15	14	13	16	15	14	13	14	14	13	14	13	13	14	13	13	13
6	15	14	13	12	15	14	13	12	14	13	12	13	13	12	13	13	12	12
7	15	13	12	12	15	13	12	12	13	12	12	13	12	12	13	12	11	11
8	14	13	12	11	14	13	12	11	12	12	11	12	11	11	12	11	11	11
9	14	12	11	10	13	12	11	10	12	11	10	12	11	10	11	11	10	10
10	13	11	10	10	13	11	10	10	11	10	10	11	10	10	11	10	10	10

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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

X=2H	Y=2H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	3H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

UGR Viewed Endwise

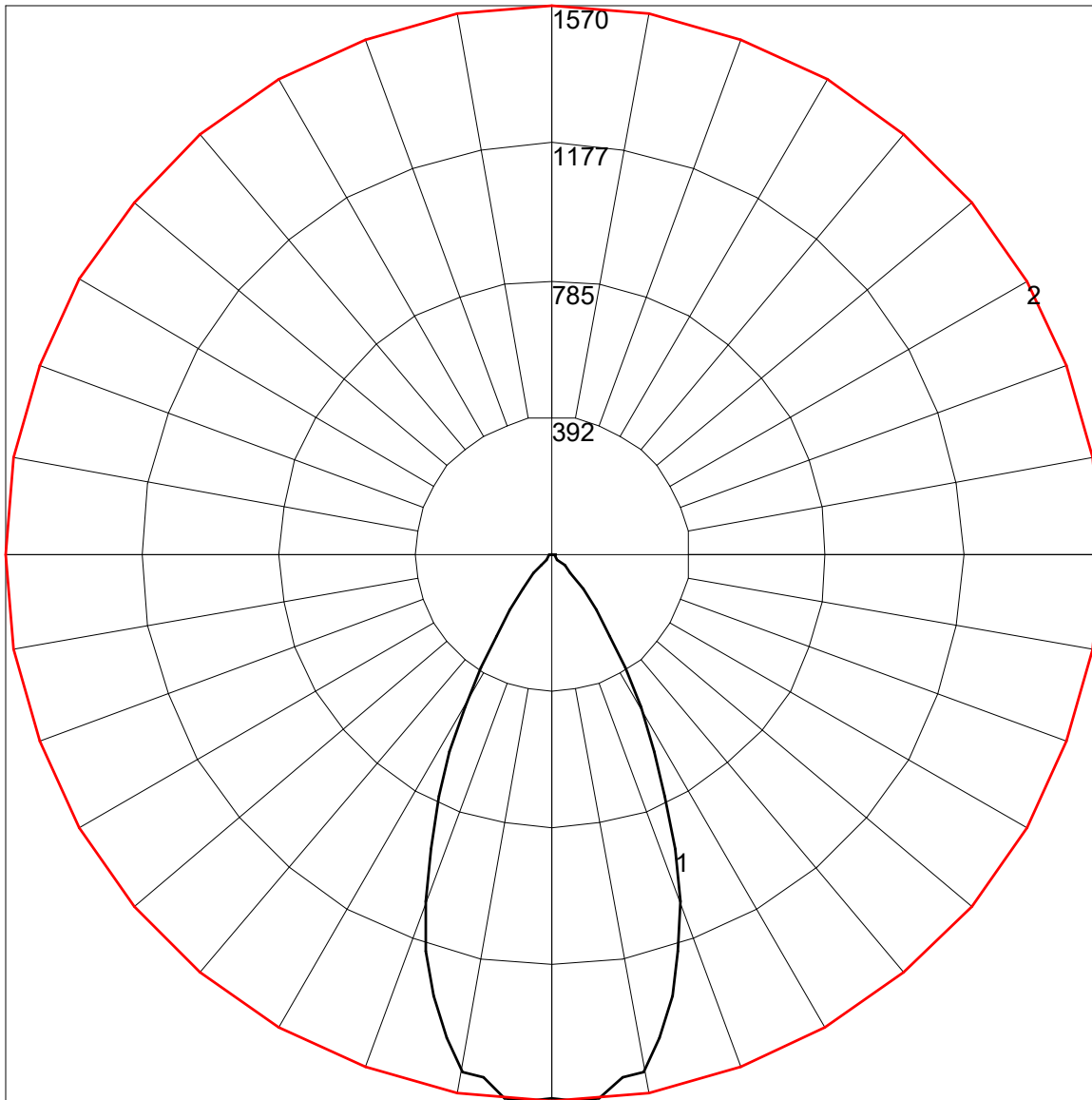
4H	2H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	3H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

8H	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	12H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

12H	4H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	6H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	8H	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5

Maximum UGR = 6.5

POLAR GRAPH



Maximum Candela = 1569.661 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.)