



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8DR-P11-835-POE-OW-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-OW-CS

[LUMINAIRE] 8.5 INCH RECESSED LED PoE DOWNLIGHT 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

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1105
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	11.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	0.96
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	2554	2554	2554
55	424	424	424
65	291	291	291
75	227	227	227
85	168	168	168

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CANDELA TABULATION

	<u>0</u>
0.0	1080.403
2.5	1081.799
5.0	1087.170
7.5	1066.437
10.0	1045.703
12.5	1032.382
15.0	991.130
17.5	954.282
20.0	924.417
22.5	894.337
25.0	857.275
27.5	792.173
30.0	676.581
32.5	550.138
35.0	423.481
37.5	304.666
40.0	199.923
42.5	121.608
45.0	66.176
47.5	29.006
50.0	14.288
52.5	11.172
55.0	8.917
57.5	7.413
60.0	6.231
62.5	5.264
65.0	4.512
67.5	3.760
70.0	3.115
72.5	2.578
75.0	2.149
77.5	1.719
80.0	1.289
82.5	0.859
85.0	0.537
87.5	0.215
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	380.97	N.A.	34.50
0-30	764.84	N.A.	69.20
0-40	1028.52	N.A.	93.10
0-60	1097.66	N.A.	99.30
0-80	1104.44	N.A.	99.90
0-90	1105.06	N.A.	100.00
10-90	1002.97	N.A.	90.80
20-40	647.55	N.A.	58.60
20-50	708.29	N.A.	64.10
40-70	73.64	N.A.	6.70
60-80	6.78	N.A.	0.60
70-80	2.28	N.A.	0.20
80-90	0.61	N.A.	0.10
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	1105.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.09
10-20	278.88
20-30	383.87
30-40	263.68
40-50	60.74
50-60	8.40
60-70	4.50
70-80	2.28
80-90	0.61
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	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	17	17	17	17	17	17	16	16
2	19	18	17	16	18	17	17	16	17	16	16	16	16	16	16	15	15	15
3	18	16	16	15	17	16	15	15	16	15	15	15	15	14	15	14	14	14
4	17	15	14	14	16	15	14	14	15	14	13	14	14	13	14	14	13	13
5	16	14	13	13	16	14	13	12	14	13	12	14	13	12	13	13	12	12
6	15	13	12	12	15	13	12	12	13	12	11	13	12	11	13	12	11	11
7	14	13	12	11	14	12	11	11	12	11	11	12	11	11	12	11	11	10
8	13	12	11	10	13	12	11	10	12	11	10	11	11	10	11	10	10	10
9	13	11	10	9	13	11	10	9	11	10	9	11	10	9	11	10	9	9
10	12	10	9	9	12	10	9	9	10	9	9	10	9	9	10	9	9	8

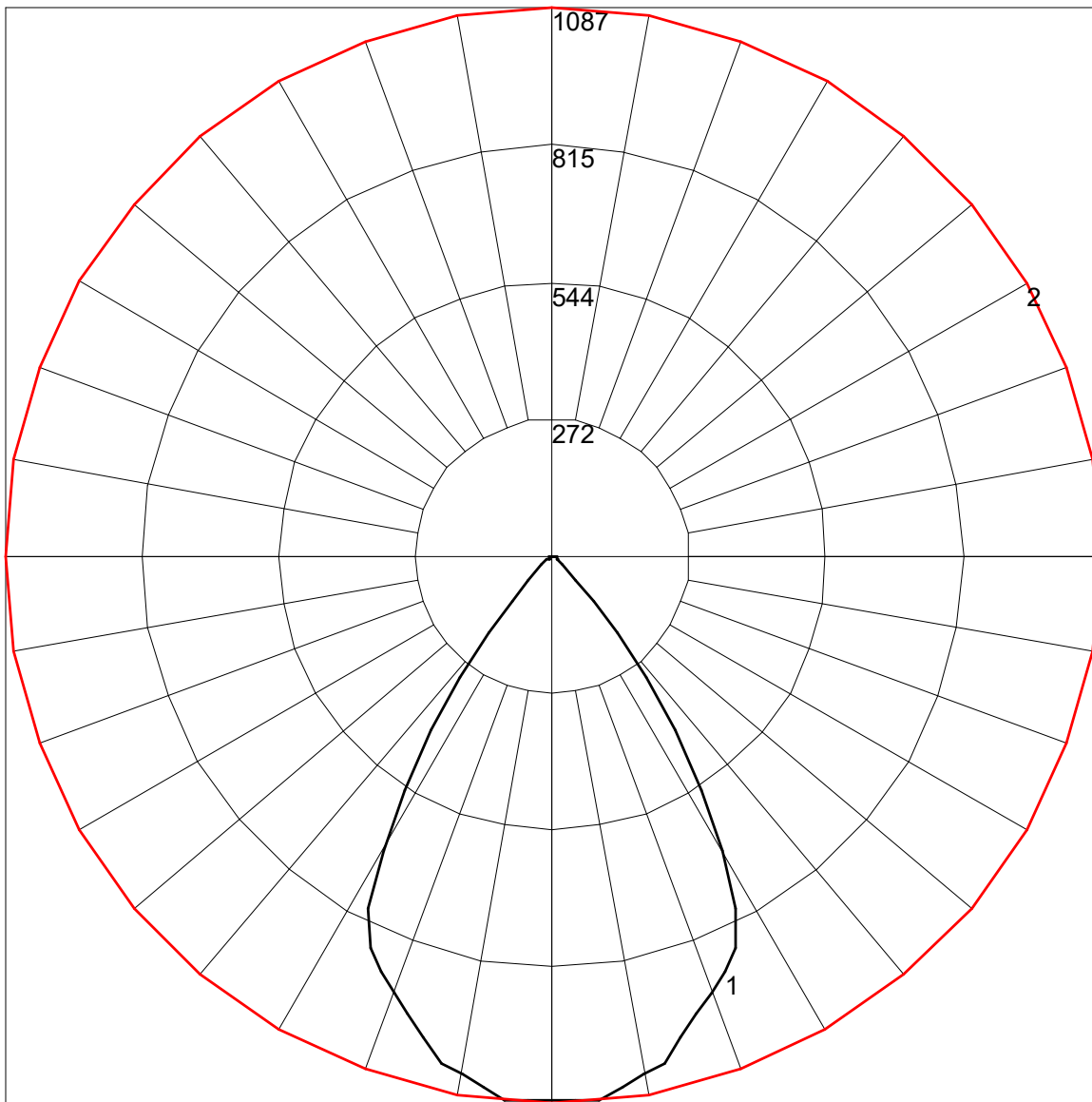
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	6.5	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	6.5
	4H	6.5	6.5	6.5	6.5	6.7	6.5	6.5	6.5	6.5	6.7
	6H	6.5	6.5	6.5	6.6	7.0	6.5	6.5	6.5	6.6	7.0
	8H	6.5	6.5	6.5	6.6	7.0	6.5	6.5	6.5	6.6	7.0
	12H	6.5	6.5	6.5	6.6	7.0	6.5	6.5	6.5	6.6	7.0
4H	2H	6.5	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	6.7	6.5	6.5	6.5	6.5	6.7
	4H	6.5	6.5	6.5	6.8	7.2	6.5	6.5	6.5	6.8	7.2
	6H	6.5	6.7	6.6	7.1	7.6	6.5	6.7	6.6	7.1	7.6
	8H	6.5	6.7	6.8	7.2	7.7	6.5	6.7	6.8	7.2	7.7
	12H	6.5	6.7	6.8	7.2	7.7	6.5	6.7	6.8	7.2	7.7
8H	4H	6.5	6.5	6.5	6.8	7.3	6.5	6.5	6.5	6.8	7.3
	6H	6.5	6.8	6.9	7.3	7.8	6.5	6.8	6.9	7.3	7.8
	8H	6.6	6.9	7.1	7.4	7.9	6.6	6.9	7.1	7.4	7.9
	12H	6.7	7.0	7.2	7.5	8.1	6.7	7.0	7.2	7.5	8.1
12H	4H	6.5	6.5	6.5	6.7	7.2	6.5	6.5	6.5	6.7	7.2
	6H	6.5	6.7	7.0	7.2	7.8	6.5	6.7	7.0	7.2	7.8
	8H	6.6	6.9	7.1	7.4	8.0	6.6	6.9	7.1	7.4	8.0

Maximum UGR = 8.1

POLAR GRAPH



Maximum Candela = 1087.17 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)