



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 8DR-P34-835-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-P34/835-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	3349
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	34.9
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	5279	5279	5279
55	843	843	843
65	583	583	583
75	388	388	388
85	209	209	209

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CANDELA TABULATION

	<u>0</u>
0.0	4781.036
2.5	4805.115
5.0	4795.417
7.5	4645.257
10.0	4626.194
12.5	4347.947
15.0	4031.240
17.5	3670.054
20.0	3252.014
22.5	2804.545
25.0	2339.349
27.5	1946.727
30.0	1546.747
32.5	1174.524
35.0	872.867
37.5	616.358
40.0	400.983
42.5	243.132
45.0	136.783
47.5	63.208
50.0	29.765
52.5	22.073
55.0	17.725
57.5	15.049
60.0	12.709
62.5	10.702
65.0	9.029
67.5	7.358
70.0	6.020
72.5	5.016
75.0	3.679
77.5	2.676
80.0	1.673
82.5	1.338
85.0	0.669
87.5	0.335
90.0	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1562.24	N.A.	46.60
0-30	2637.23	N.A.	78.70
0-40	3194.63	N.A.	95.40
0-60	3335.16	N.A.	99.60
0-80	3348.17	N.A.	100.00
0-90	3349.03	N.A.	100.00
10-90	2900.11	N.A.	86.60
20-40	1632.38	N.A.	48.70
20-50	1755.99	N.A.	52.40
40-70	149.54	N.A.	4.50
60-80	13.01	N.A.	0.40
70-80	4.01	N.A.	0.10
80-90	0.86	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	3349.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	448.92
10-20	1113.32
20-30	1074.99
30-40	557.39
40-50	123.60
50-60	16.93
60-70	9.00
70-80	4.01
80-90	0.86
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	63	63	63	63	61	61	61	61	58	58	58	56	56	56	54	54	54	53
1	60	59	57	56	59	57	56	55	55	54	54	53	53	52	52	51	51	50
2	57	55	53	51	56	54	52	51	52	51	49	51	49	48	49	48	47	47
3	55	51	49	47	54	51	48	47	49	47	46	48	47	45	47	46	44	44
4	52	48	46	44	51	48	45	43	47	44	43	46	44	42	45	43	42	41
5	50	46	43	41	49	45	42	40	44	42	40	43	41	40	43	41	39	39
6	47	43	40	38	47	43	40	38	42	39	38	41	39	37	40	39	37	36
7	45	41	38	36	45	40	38	36	40	37	35	39	37	35	39	37	35	34
8	43	39	36	34	43	38	36	34	38	35	33	37	35	33	37	35	33	33
9	41	37	34	32	41	36	34	32	36	33	32	35	33	32	35	33	31	31
10	40	35	32	30	39	35	32	30	34	32	30	34	32	30	33	31	30	29

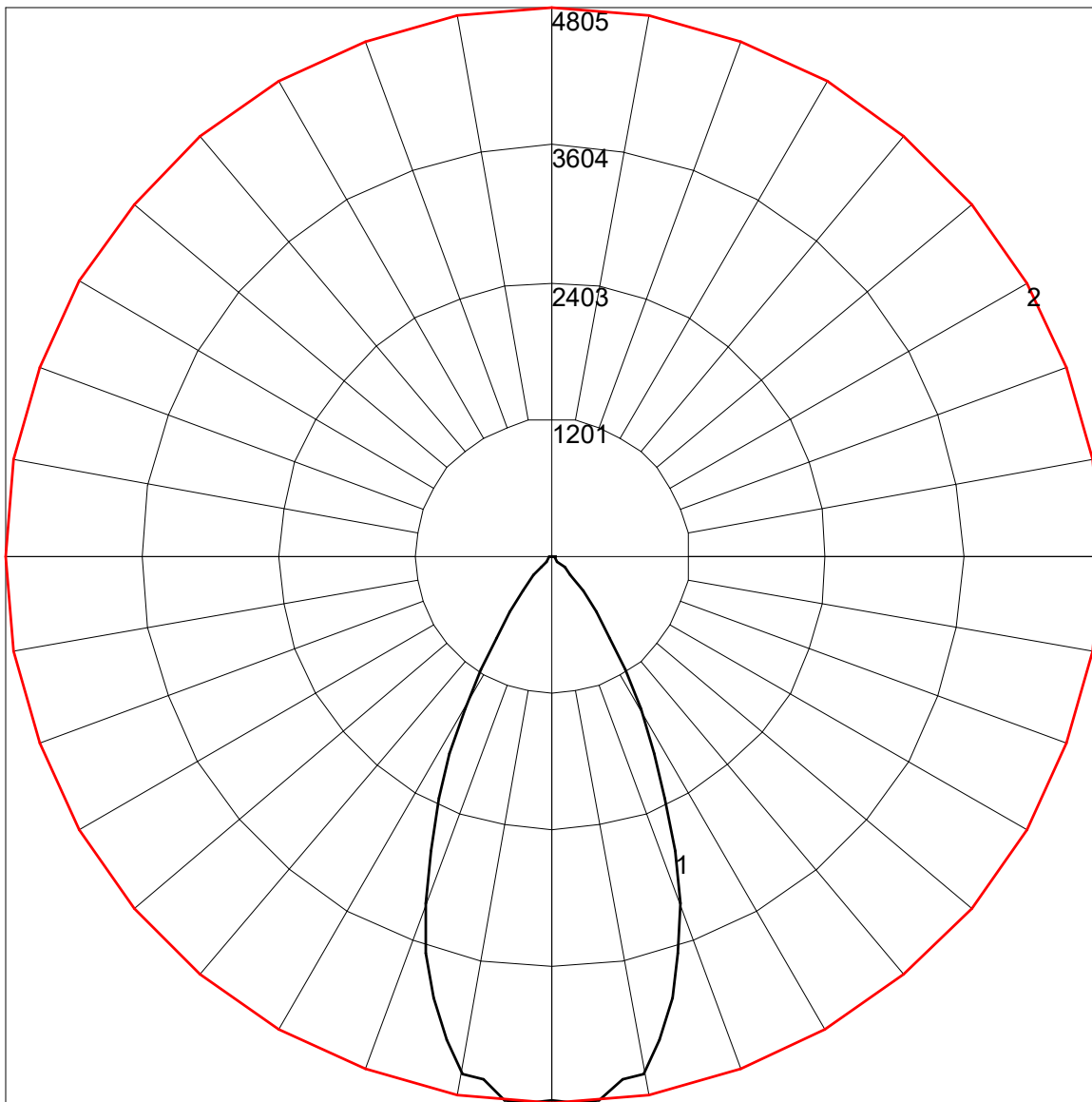
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UGR TABLE - CORRECTED

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

Maximum UGR = 6.5

POLAR GRAPH



Maximum Candela = 4805.115 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.)