



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L10-835-(L5)-DIM1-UNV-OW-OF-CS-WETCC\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN FROM BALLABS TEST NO. 20687.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUEDATE] 03-12-2024  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT  
 [MORE] OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)  
 [LUMCAT] 6DR-TL-L10-835-(L5)-DIM1-UNV-OW-OF-CS-WETCC  
 [LAMPCAT] V13 BXRE-35E2000  
 [ \_SEARCH\_SOURCETYPE] LED  
 [ \_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Commercial, Healthcare, Office, Downlight  
 [ \_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	4.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.48 ft (Diameter)
Luminous Width (90-270)	0.48 ft (Diameter)
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	800	800	800
55	279	279	279
65	58	58	58
75	0	0	0
85	0	0	0

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## CANDELA TABULATION

	<u>0</u>
0	344.611
5	325.443
10	358.214
15	357.595
20	373.466
25	408.504
30	401.290
35	124.489
40	17.107
45	9.481
50	5.565
55	2.679
60	1.443
65	0.412
70	0.000
75	0.000
80	0.000
85	0.000
90	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 6DR-TL-L10-835-(L5)-DIM1-UNV-OW-OF-CS-WETCC\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	135.18	N.A.	31.30
0-30	319.67	N.A.	74.00
0-40	420.72	N.A.	97.40
0-60	431.43	N.A.	99.90
0-80	431.98	N.A.	100.00
0-90	431.98	N.A.	100.00
10-90	399.52	N.A.	92.50
20-40	285.54	N.A.	66.10
20-50	293.51	N.A.	67.90
40-70	11.26	N.A.	2.60
60-80	0.56	N.A.	0.10
70-80	0.00	N.A.	0.00
80-90	0.00	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	431.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	32.47
10-20	102.71
20-30	184.49
30-40	101.05
40-50	7.96
50-60	2.75
60-70	0.56
70-80	0.00
80-90	0.00
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

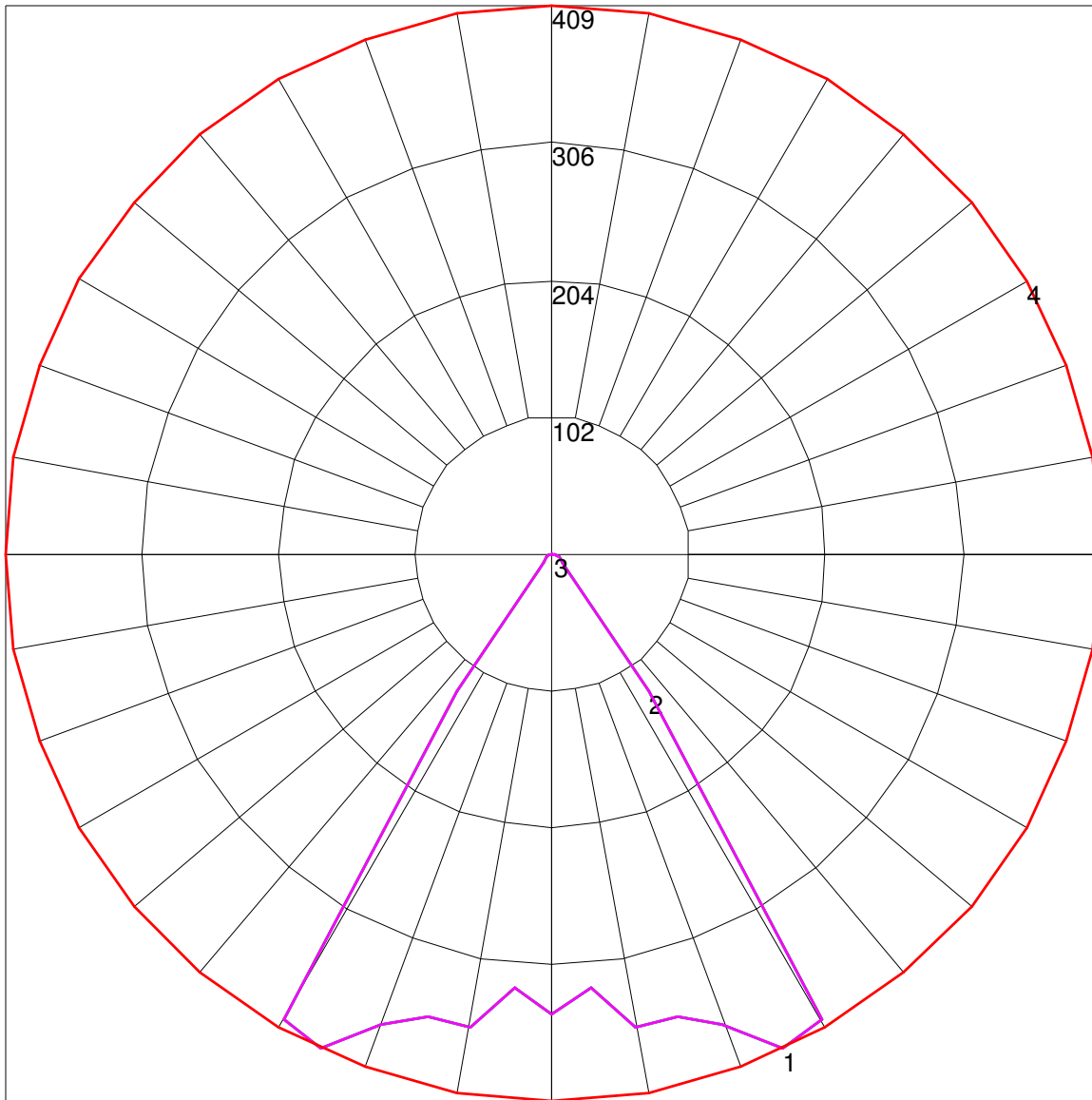
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	78	72	68	86	78	72	68	76	71	67	75	70	67	73	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	70	66	62	69	65	62	61
8	79	69	63	59	78	69	63	59	67	62	59	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

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## POLAR GRAPH



Maximum Candela = 408.504 Located At Horizontal Angle = 0, Vertical Angle = 25

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Vertical Plane Through Horizontal Angles (5 - 185)

# 3 - Vertical Plane Through Horizontal Angles (10 - 190)

# 4 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)