

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT (EMER MODE ONLY).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN FROM BALLABS TEST NO. 20687.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 07/11/2023

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT

[LUMCAT] 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT

[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	643
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	7
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	1191	1191	1191
55	415	415	415
65	87	87	87
75	0	0	0
85	0	0	0

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT (EMER MODE ONLY).IES

## CANDELA TABULATION

	<u>0</u>
0	513.055
5	484.518
10	533.307
15	532.387
20	556.014
25	608.179
30	597.439
35	185.338
40	25.469
45	14.115
50	8.285
55	3.989
60	2.148
65	0.614
70	0.000
75	0.000
80	0.000
85	0.000
90	0.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT (EMER MODE ONLY).IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	201.25	N.A.	31.30
0-30	475.93	N.A.	74.00
0-40	626.37	N.A.	97.40
0-60	642.31	N.A.	99.90
0-80	643.14	N.A.	100.00
0-90	643.14	N.A.	100.00
10-90	594.80	N.A.	92.50
20-40	425.12	N.A.	66.10
20-50	436.97	N.A.	67.90
40-70	16.77	N.A.	2.60
60-80	0.83	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	643.14	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.34
10-20	152.92
20-30	274.67
30-40	150.44
40-50	11.86
50-60	4.09
60-70	0.83
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT (EMER MODE ONLY).IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

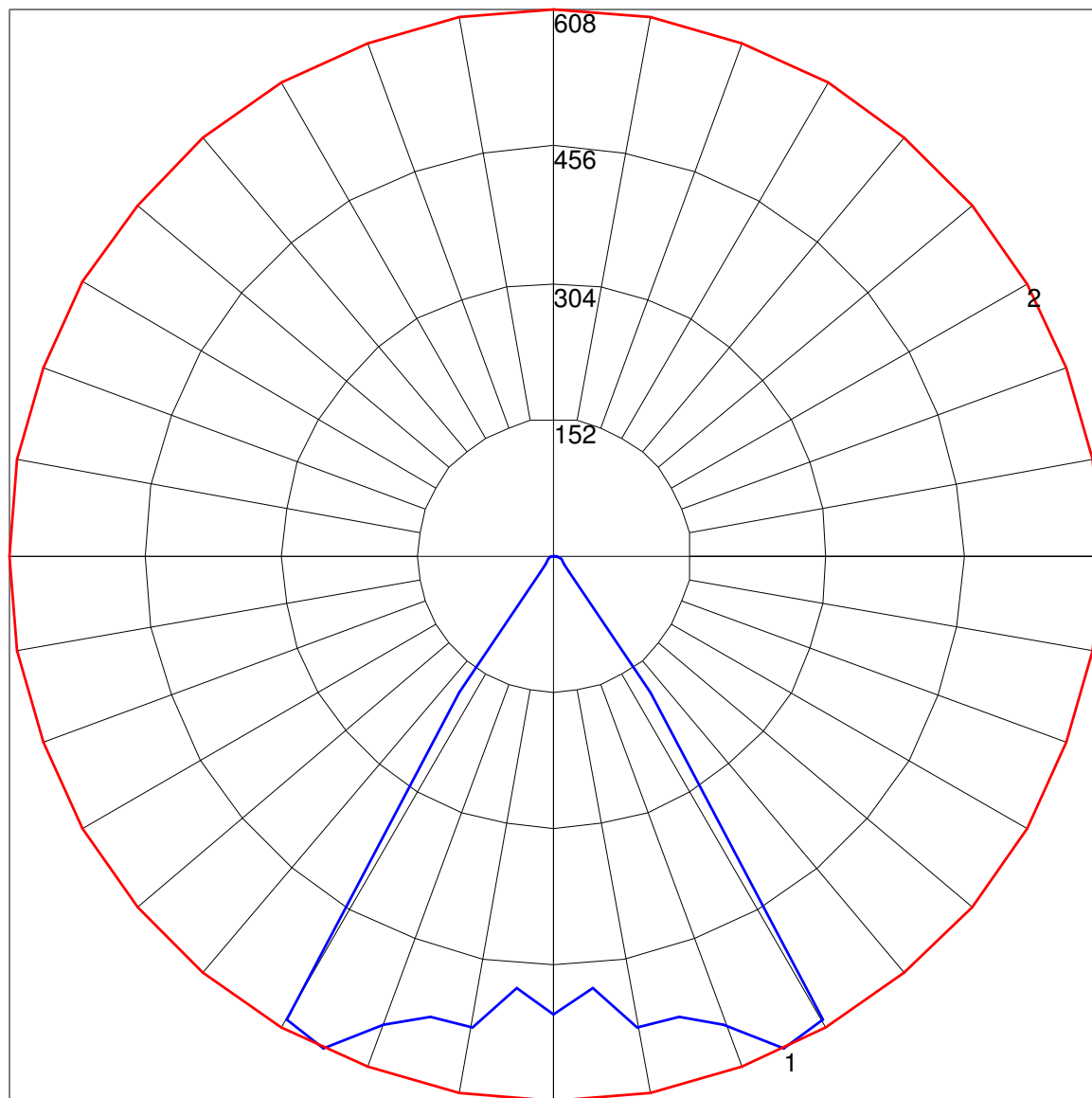
Effective Floor Cavity Reflectance 0.20

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	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	103	96	91	87	101	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	79	73	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	58	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	50

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L20-940-(L17)-EM7W-DIM1-UNV-OW-OF-CS-MWT (EMER MODE ONLY).IES

## POLAR GRAPH



Maximum Candela = 608.179 Located At Horizontal Angle = 0, Vertical Angle = 25

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

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