



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L10-940-DIM1-UNV-RW-OF-CS\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN FROM BALLABS TEST NO. 20733.0  
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC  
 [ISSUE DATE] 08-24-2021  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO  
 [LUMINAIRE] BRIDGELUX VERO13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT  
 [MORE] WHITE REFL w/MICRO-PRISM GLASS LENS & SEMI-SPEC CONE  
 [LUMCAT] 6DR-TL-L10-940-DIM1-UNV-RW-OF-CS  
 [LAMPCAT] BRIDGELUX 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	589
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	8.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.44
Spacing Criterion (90-270)	0.44
Spacing Criterion (Diagonal)	0.80
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	6581	6581	6581
55	4512	4512	4512
65	1742	1742	1742
75	0	0	0
85	0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L10-940-DIM1-UNV-RW-OF-CS\_.IES

CANDELA TABULATION

	<u>0</u>
0	899.748
5	896.092
10	543.911
15	403.363
20	398.895
25	395.646
30	324.559
35	129.580
40	91.397
45	79.617
50	64.181
55	44.277
60	26.810
65	12.592
70	4.062
75	0.000
80	0.000
85	0.000
90	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L10-940-DIM1-UNV-RW-OF-CS\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	195.29	N.A.	33.20
0-30	369.77	N.A.	62.80
0-40	473.51	N.A.	80.40
0-60	574.24	N.A.	97.50
0-80	589.10	N.A.	100.00
0-90	589.10	N.A.	100.00
10-90	516.12	N.A.	87.60
20-40	278.22	N.A.	47.20
20-50	338.94	N.A.	57.50
40-70	114.53	N.A.	19.40
60-80	14.86	N.A.	2.50
70-80	1.06	N.A.	0.20
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	589.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	72.98
10-20	122.31
20-30	174.48
30-40	103.74
40-50	60.72
50-60	40.01
60-70	13.80
70-80	1.06
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-L10-940-DIM1-UNV-RW-OF-CS\_.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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	100	93	88	84	98	92	87	83	89	85	81	87	83	80	85	82	79	77
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	68	64	83	74	68	63	73	67	63	71	66	63	70	65	62	61
7	80	70	64	59	79	69	63	59	68	63	58	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	55	63	58	54	62	57	54	53
9	72	62	56	51	71	61	55	51	60	55	51	59	54	51	59	54	51	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 6DR-TL-L10-940-DIM1-UNV-RW-OF-CS\_.IES**

**UGR TABLE - CORRECTED**

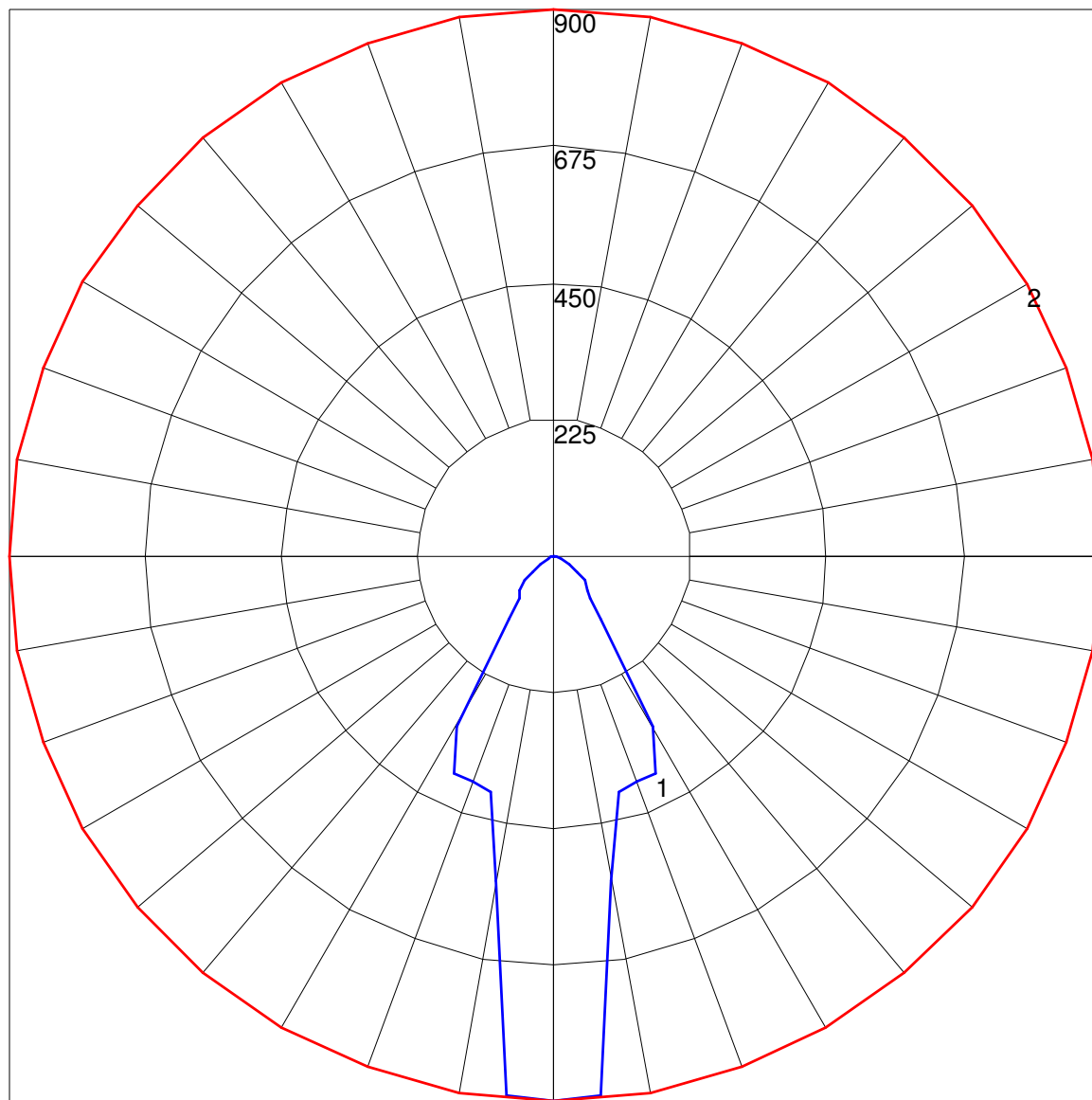
Reflectances

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	13.1	14.3	13.5	14.6	14.9	13.1	14.3	13.5	14.6	14.9
	3H	13.2	14.2	13.5	14.5	14.9	13.2	14.2	13.5	14.5	14.9
	4H	13.1	14.0	13.5	14.4	14.7	13.1	14.0	13.5	14.4	14.7
	6H	13.0	13.8	13.4	14.2	14.6	13.0	13.8	13.4	14.2	14.6
	8H	12.9	13.7	13.4	14.1	14.5	12.9	13.7	13.4	14.1	14.5
	12H	12.9	13.6	13.3	14.0	14.5	12.9	13.6	13.3	14.0	14.5
4H	2H	13.1	14.0	13.5	14.4	14.8	13.1	14.0	13.5	14.4	14.8
	3H	13.1	13.9	13.6	14.3	14.7	13.1	13.9	13.6	14.3	14.7
	4H	13.0	13.7	13.5	14.1	14.6	13.0	13.7	13.5	14.1	14.6
	6H	12.9	13.5	13.4	14.0	14.4	12.9	13.5	13.4	14.0	14.4
	8H	12.9	13.4	13.3	13.9	14.3	12.9	13.4	13.3	13.9	14.3
	12H	12.8	13.3	13.3	13.8	14.2	12.8	13.3	13.3	13.8	14.2
8H	4H	12.9	13.4	13.3	13.9	14.3	12.9	13.4	13.3	13.9	14.3
	6H	12.8	13.2	13.3	13.7	14.2	12.8	13.2	13.3	13.7	14.2
	8H	12.7	13.1	13.2	13.6	14.1	12.7	13.1	13.2	13.6	14.1
	12H	12.7	13.0	13.2	13.5	14.1	12.7	13.0	13.2	13.5	14.1
12H	4H	12.8	13.3	13.3	13.8	14.3	12.8	13.3	13.3	13.8	14.3
	6H	12.7	13.1	13.2	13.6	14.1	12.7	13.1	13.2	13.6	14.1
	8H	12.7	13.0	13.2	13.5	14.1	12.7	13.0	13.2	13.5	14.1

Maximum UGR = 14.9

POLAR GRAPH



Maximum Candela = 899.748 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)