

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM BALLABS TEST NO. 20683.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 07/11/2025

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

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

[MORE] OPEN SEMI-SPEC SPUN ALUM REFL w/DOMED DIFF TOP LENS(WIDE)

[LUMCAT] 6CR-TL-L20-840-DIM-UNV-FW-OF-SG

[LAMPCAT] V13 BXRE-35E2000

[OTHER] This test was performed using the calibrated photodetector method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1397
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	19.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.37 ft (Diameter)
Luminous Width (90-270)	0.37 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	21898	21898	21898
55	1317	1317	1317
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.IES

CANDELA TABULATION

	<u>0</u>
0	1119.849
5	1140.059
10	1191.504
15	1225.495
20	1214.471
25	1118.930
30	827.714
35	463.924
40	268.249
45	150.661
50	61.550
55	7.349
60	3.675
65	0.000
70	0.000
75	0.000
80	0.000
85	0.000
90	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	454.89	N.A.	32.60
0-30	945.97	N.A.	67.70
0-40	1258.33	N.A.	90.10
0-60	1396.3	N.A.	99.90
0-80	1397.19	N.A.	100.00
0-90	1397.19	N.A.	100.00
10-90	1286.77	N.A.	92.10
20-40	803.44	N.A.	57.50
20-50	923.89	N.A.	66.10
40-70	138.87	N.A.	9.90
60-80	0.89	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	1397.19	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.42
10-20	344.46
20-30	491.08
30-40	312.36
40-50	120.44
50-60	17.53
60-70	0.89
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 : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.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	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	94	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	85	83	86	84	81	80
4	96	89	83	78	95	87	82	78	85	81	77	83	79	76	81	78	75	74
5	91	83	76	72	90	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	66	85	76	70	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	61	68	64	60	59
8	77	68	61	57	76	67	61	57	66	61	57	65	60	56	64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	59	54	50	58	53	49	58	53	49	57	52	49	48

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.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

X=2H	Y=2H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	3H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	4H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	6H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	8H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	12H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

UGR Viewed Endwise

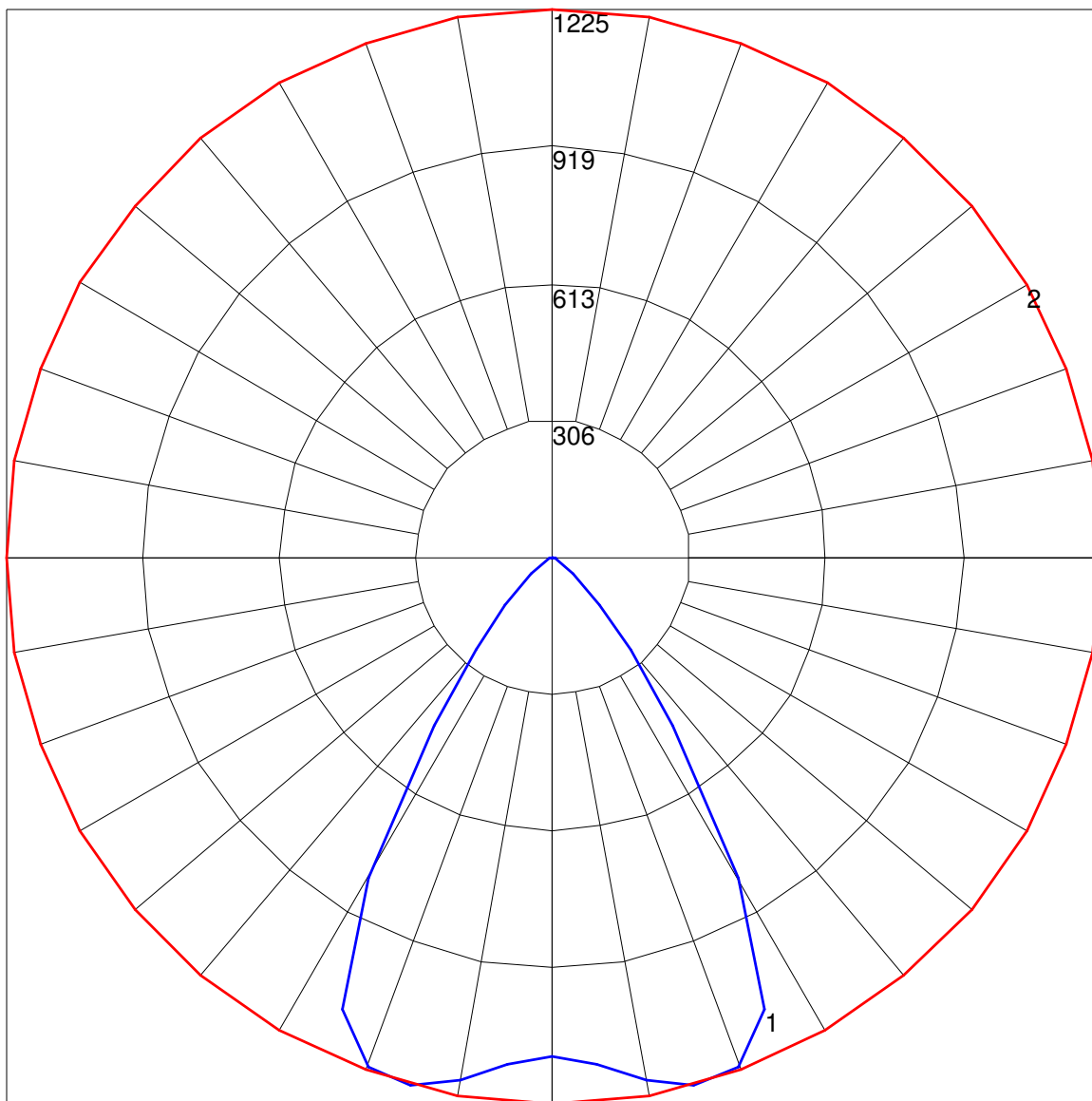
4H	2H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	3H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	4H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	6H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	8H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	12H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
8H	4H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	6H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	8H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	12H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
12H	4H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	6H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	8H	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

Maximum UGR = 1.2

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-XX-L20-840-XXX-DIM-UNV-FW-OF-SG-XX_.IES

POLAR GRAPH



Maximum Candela = 1225.495 Located At Horizontal Angle = 0, Vertical Angle = 15

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

2 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)