

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L15-940-DIM-UNV-OW-OF-CS-WET-CC_.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] 26-FEB-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-L10-940-DIM-UNV-OW-OF-CS-WET-CC

[LAMPCAT] V13 BXRE-40E2000

[_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	1069
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	13.8
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	1980	1980	1980
55	690	690	690
65	144	144	144
75	0	0	0
85	0	0	0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L15-940-DIM-UNV-OW-OF-CS-WET-CC_.IES

CANDELA TABULATION

	<u>0</u>
0	852.72
5	805.29
10	886.38
15	884.85
20	924.12
25	1010.82
30	992.97
35	308.04
40	42.33
45	23.46
50	13.77
55	6.63
60	3.57
65	1.02
70	0.00
75	0.00
80	0.00
85	0.00
90	0.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : 6DR-TL-L15-940-DIM-UNV-OW-OF-CS-WET-CC_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	334.49	N.A.	31.30
0-30	791.01	N.A.	74.00
0-40	1041.05	N.A.	97.40
0-60	1067.55	N.A.	99.90
0-80	1068.92	N.A.	100.00
0-90	1068.92	N.A.	100.00
10-90	988.58	N.A.	92.50
20-40	706.56	N.A.	66.10
20-50	726.26	N.A.	67.90
40-70	27.87	N.A.	2.60
60-80	1.37	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	1068.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.34
10-20	254.15
20-30	456.52
30-40	250.04
40-50	19.70
50-60	6.79
60-70	1.37
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

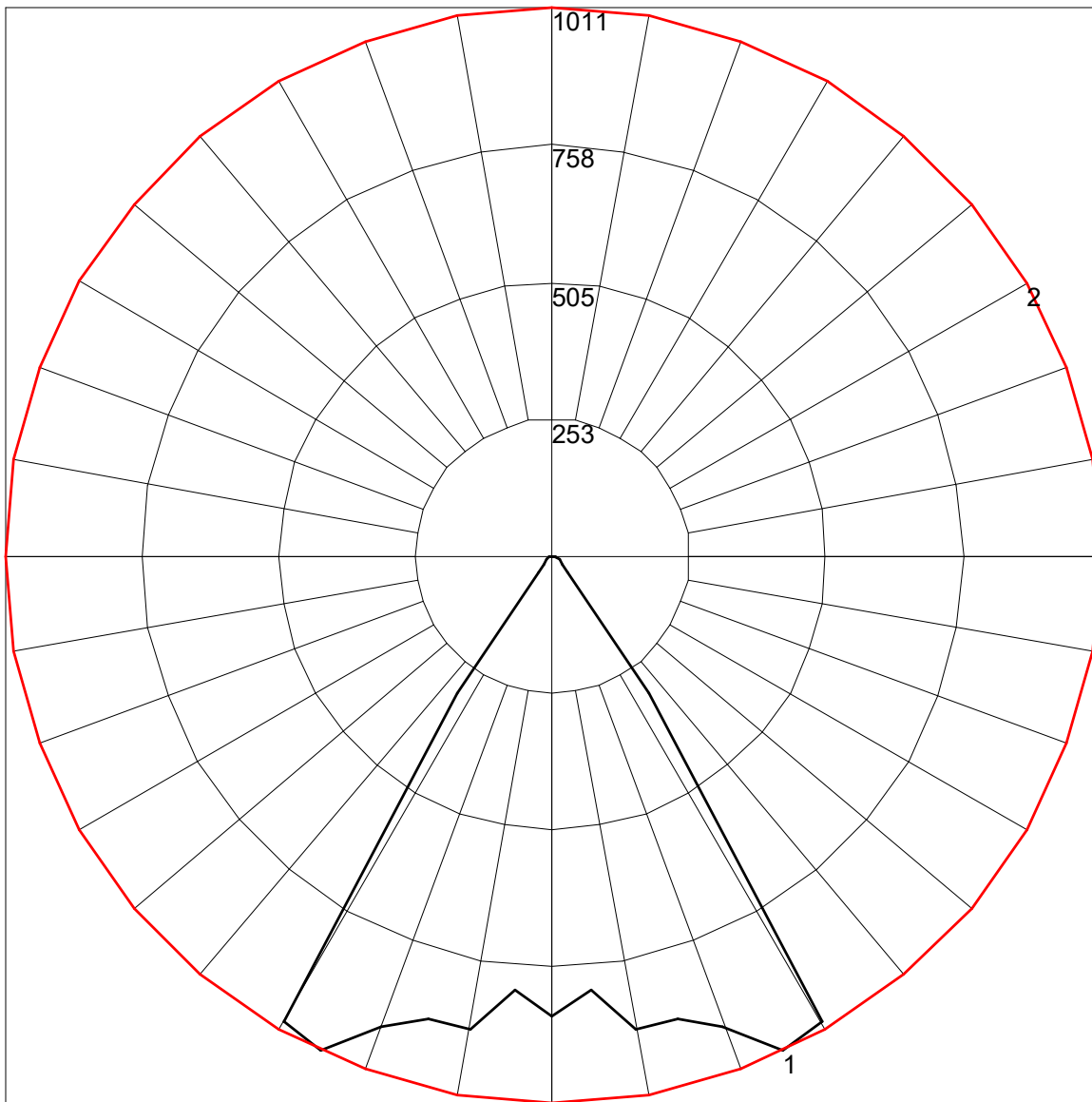
PHOTOMETRIC FILENAME : 6DR-TL-L15-940-DIM-UNV-OW-OF-CS-WET-CC_.IES

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	146	146	146	146	143	143	143	143	137	137	137	131	131	131	125	125	125	123
1	139	136	133	130	136	133	131	128	128	126	124	124	122	121	120	118	117	115
2	133	127	122	118	130	125	120	116	121	117	114	117	114	111	114	111	109	107
3	126	118	112	107	123	116	111	106	113	108	105	110	106	103	107	104	101	99
4	119	110	103	98	117	109	102	98	106	101	96	104	99	95	101	97	94	92
5	113	103	96	91	111	102	95	90	100	94	89	98	92	89	96	91	88	86
6	107	96	89	84	106	95	89	83	94	87	83	92	86	82	90	85	82	80
7	102	90	83	78	100	90	83	78	88	82	77	87	81	77	85	80	76	75
8	97	85	78	72	95	84	77	72	83	76	72	82	76	72	80	75	71	70
9	92	80	73	68	91	79	72	67	78	72	67	77	71	67	76	71	67	65
10	87	75	68	63	86	75	68	63	74	67	63	73	67	63	72	66	63	61

POLAR GRAPH



Maximum Candela = 1010.82 Located At Horizontal Angle = 0, Vertical Angle = 25

1 - Vertical Plane Through Horizontal Angles (90 - 270)

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