

REPORT NUMBER: PRORATED FROM RAB02055

PAGE: 1 OF 8

ISSUE DATE: 06/15/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-20Y-TW

LUMINAIRE: FABRICATED METAL UPPER HOUSING AND BALLAST HOUSING, CAST BLACK PAINTED FINNED METAL HEAT SINK, CAST WHITE PAINTED METAL GIMBAL, 1 WHITE CIRCUIT BOARD WITH ONE LED, MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, HOLOGRAPHIC FLAT PLASTIC LENS, CAST WHITE METAL LOWER HOUSING.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED) WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

(SEE PAGE 2 FOR MORE INFORMATION)

DEG	CANDELA	LUMENS
0	3068	
5	2624	215
15	824	240
25	314	148
35	132	84
45	31	27
55	13	12
65	6	7
75	4	4
85	1	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	603	81.6
0- 40	686	92.9
0- 60	725	98.2
0- 90	739	100.0
90-180	0	0.0
0-180	739	100.0

TOTAL INPUT WATTS = 8.1882

EFFICACY = 90.3 Lm/W

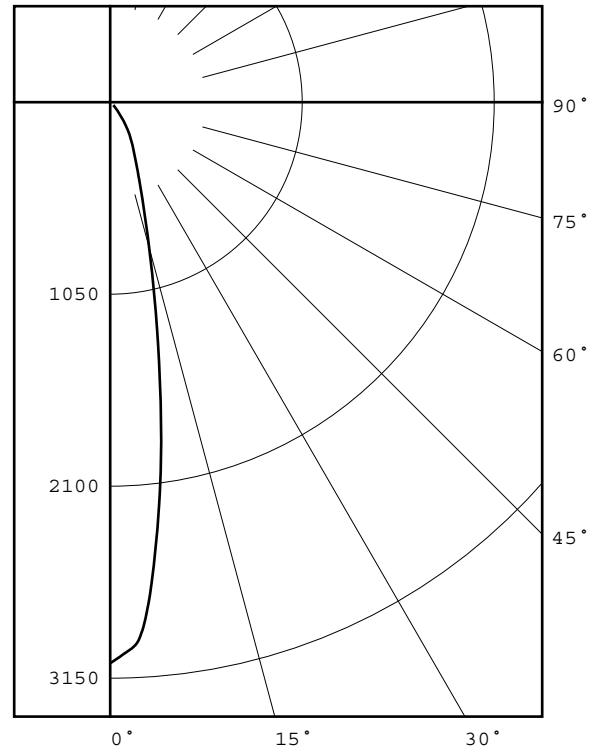
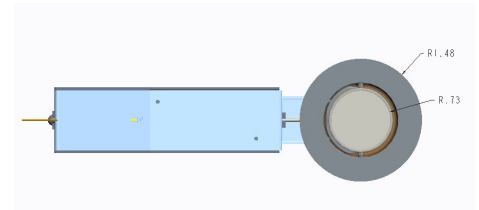
CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.3

LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER
ANGLE AVERAGE
IN DEG

45	96169.
55	49399.
65	33522.
75	32842.
85	32510.



Checked	<u>X.CAO</u>
Approved	<u>D.WANG-MUNSON</u>

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ISSUE DATE: 06/15/16
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PAGE: 2 OF 8

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02055 WHICH WAS
RDLED2AR8-20YYHC-TW. ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS: 8.1882 W AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE: 28.25 FEET

PREPARED FOR: RAB LIGHTING INC.

LED DRIVER: RD-008-E1-A0200

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL
GOVERNMENT.

REPORT NUMBER: PRORATED FROM RAB02055
ISSUE DATE: 06/15/16
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PAGE: 3 OF 8

BEAM ANGLE (50%) : 20.4 DEGREES
FIELD ANGLE (10%): 50.7 DEGREES

REPORT NUMBER: PRORATED FROM RAB02055
ISSUE DATE: 06/15/16
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PAGE: 4 OF 8

CANDELA DISTRIBUTION

	0.0
0.0	3068
2.5	2981
5.0	2624
7.5	2100
10.0	1571
12.5	1139
15.0	824
17.5	616
20.0	476
22.5	380
25.0	314
27.5	263
30.0	220
32.5	176
35.0	132
37.5	95
40.0	64
42.5	44
45.0	31
47.5	23
50.0	19
52.5	16
55.0	13
57.5	12
60.0	10
62.5	8
65.0	6
67.5	6
70.0	5
72.5	5
75.0	4
77.5	4
80.0	3
82.5	3
85.0	1
87.5	1
90.0	0

REPORT NUMBER: PRORATED FROM RAB02055
ISSUE DATE: 06/15/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 8

ZONAL LUMEN SUMMARY

0- 5	68.
5- 10	147.
10- 15	136.
15- 20	103.
20- 25	81.
25- 30	67.
30- 35	52.
35- 40	32.
40- 45	17.
45- 50	10.
50- 55	7.
55- 60	5.
60- 65	4.
65- 70	3.
70- 75	3.
75- 80	2.
80- 85	1.
85- 90	1.

REPORT NUMBER: PRORATED FROM RAB02055
ISSUE DATE: 06/15/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 8

5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	68
5- 10	147
10- 15	136
15- 20	103
20- 25	81
25- 30	67
30- 35	52
35- 40	32
40- 45	17
45- 50	10
50- 55	7
55- 60	5
60- 65	4
65- 70	3
70- 75	3
75- 80	2
80- 85	1
85- 90	1
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	215
0- 20	455
0- 30	603
0- 40	686
0- 50	713
0- 60	725
0- 70	732
0- 80	737
0- 90	739
0-100	739
0-110	739
0-120	739
0-130	739
0-140	739
0-150	739
0-160	739
0-170	739
0-180	739

REPORT NUMBER: PRORATED FROM RAB02055
ISSUE DATE: 06/15/16

PAGE: 7 OF 8

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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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	90	86	99	93	89	86	91	87	85	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	73	71
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	67	73	70	67	66
10	81	73	69	65	80	73	68	65	72	68	65	72	68	65	71	67	65	64

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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ISSUE DATE: 06/15/16
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PAGE: 8 OF 8

CONE OF LIGHT DIAGRAM

(diameter shown is where fc value is half the fc at nadir)

