

REPORT NUMBER: PRORATED FROM RAB02055

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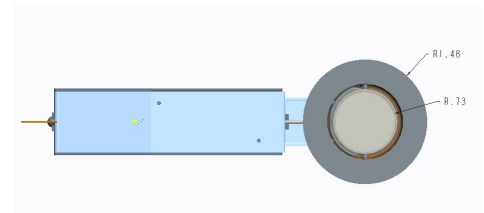
PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: RDLED2AR8-20NHC-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	2867	
5	2452	201
15	770	224
25	293	138
35	124	78
45	29	25
55	12	11
65	6	7
75	4	4
85	1	2
90	0	

ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	563	81.6
0- 40	641	92.9
0- 60	678	98.2
0- 90	690	100.0
90-180	0	0.0
0-180	690	100.0

TOTAL INPUT WATTS = 8.279

EFFICACY = 83.3 Lm/W

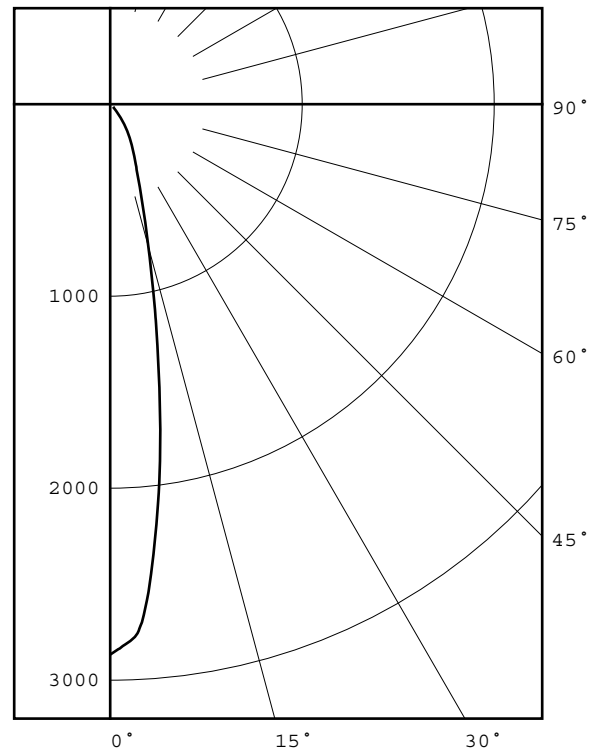
CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 0.3

LUMINOUS DIAMETER: 0.950

LUMINANCE DATA IN CANDELA/SQ METER
ANGLE AVERAGE
IN DEG

45	89877.
55	46167.
65	31329.
75	30694.
85	30383.



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

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ADDITIONAL INFORMATION

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

TOTAL INPUT WATTS: 8.279 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.

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

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CANDELA DISTRIBUTION

	0.0
0.0	2867
2.5	2786
5.0	2452
7.5	1962
10.0	1468
12.5	1065
15.0	770
17.5	575
20.0	445
22.5	355
25.0	293
27.5	246
30.0	206
32.5	165
35.0	124
37.5	88
40.0	59
42.5	41
45.0	29
47.5	22
50.0	18
52.5	15
55.0	12
57.5	11
60.0	10
62.5	7
65.0	6
67.5	6
70.0	5
72.5	5
75.0	4
77.5	4
80.0	2
82.5	2
85.0	1
87.5	1
90.0	0

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ZONAL LUMEN SUMMARY

0- 5	64.
5- 10	137.
10- 15	128.
15- 20	97.
20- 25	75.
25- 30	62.
30- 35	48.
35- 40	30.
40- 45	16.
45- 50	9.
50- 55	6.
55- 60	5.
60- 65	4.
65- 70	3.
70- 75	2.
75- 80	2.
80- 85	1.
85- 90	0.

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	64
5- 10	137
10- 15	128
15- 20	97
20- 25	75
25- 30	62
30- 35	48
35- 40	30
40- 45	16
45- 50	9
50- 55	6
55- 60	5
60- 65	4
65- 70	3
70- 75	2
75- 80	2
80- 85	1
85- 90	0
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	201
0- 20	425
0- 30	563
0- 40	641
0- 50	666
0- 60	678
0- 70	684
0- 80	689
0- 90	690
0-100	690
0-110	690
0-120	690
0-130	690
0-140	690
0-150	690
0-160	690
0-170	690
0-180	690

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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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CONE OF LIGHT DIAGRAM

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

