

REPORT NUMBER: PRORATED FROM RAB02177

PAGE: 1 OF 6

ISSUE DATE: 07/06/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK21XL25RYN

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 10 LED BOARDS
EACH WITH 10 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

LAMPS: ONE-HUNDRED WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP
POSITION.

NOTE: THIS REPORT WAS PRORATED FROM RAB02177 WHICH WAS SK21XL25RYY.
ACTUAL PERFORMANCE MAY VARY.

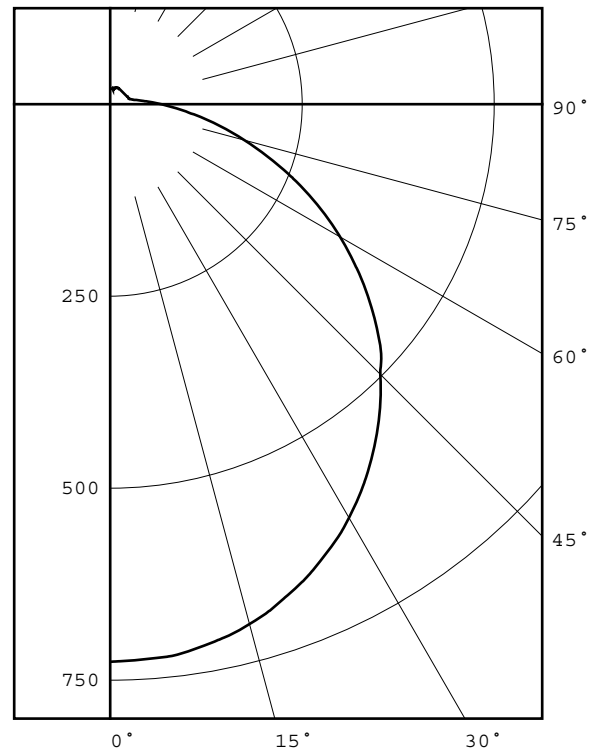
TOTAL INPUT WATTS = 25.035 AT 120.0 VOLTS.

LED DRIVER: RDD-MK022-MKP45-A0700

TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET

DEG	CANDELA	LUMENS
0	726	
5	723	69
15	701	198
25	653	301
35	585	366
45	497	385
55	401	358
65	289	287
75	181	193
85	96	106
90	67	
95	45	51
105	26	29
115	24	24
125	24	21
135	24	19
145	24	15
155	24	11
165	22	6
175	23	2
180	23	



ZONAL LUMEN ZONE	SUMMARY LUMENS	%FIXT
0- 30	568	23.3
0- 40	934	38.2
0- 60	1677	68.7
0- 90	2263	92.7
90-120	104	4.3
90-130	126	5.2
90-150	159	6.5
90-180	178	7.3
0-180	2441	100.0

TOTAL INPUT WATTS = 25.035

EFFICACY = 97.5 Lm/W

CIE TYPE - DIRECT

LUMINAIRE SPACING CRITERION = 1.3

Checked X.CAO
Approved D.WANG-MUNSON

REPORT NUMBER: PRORATED FROM RAB02177
ISSUE DATE: 07/06/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 6

LUMINOUS DIAMETER: 20.700
HEIGHT OF SIDE : 3.460

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

45	2671.
55	2466.
65	2165.
75	1790.
85	1472.

REPORT NUMBER: PRORATED FROM RAB02177
ISSUE DATE: 07/06/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 3 OF 6

CANDELA DISTRIBUTION

	0.0
0.0	726
5.0	723
10.0	715
15.0	701
20.0	679
25.0	653
30.0	622
35.0	585
40.0	543
45.0	497
50.0	453
55.0	401
60.0	346
65.0	289
70.0	233
75.0	181
80.0	135
85.0	96
90.0	67
95.0	45
100.0	32
105.0	26
110.0	25
115.0	24
120.0	24
125.0	24
130.0	24
135.0	24
140.0	24
145.0	24
150.0	24
155.0	24
160.0	23
165.0	22
170.0	19
175.0	23
180.0	23

REPORT NUMBER: PRORATED FROM RAB02177
ISSUE DATE: 07/06/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 6

ZONAL LUMEN SUMMARY

0- 5	17.
5- 10	52.
10- 15	84.
15- 20	114.
20- 25	140.
25- 30	161.
30- 35	178.
35- 40	188.
40- 45	193.
45- 50	193.
50- 55	186.
55- 60	172.
60- 65	154.
65- 70	132.
70- 75	108.
75- 80	84.
80- 85	62.
85- 90	44.
90- 95	30.
95-100	21.
100-105	16.
105-110	13.
110-115	13.
115-120	12.
120-125	11.
125-130	10.
130-135	10.
135-140	9.
140-145	8.
145-150	7.
150-155	6.
155-160	5.
160-165	4.
165-170	2.
170-175	2.
175-180	1.

REPORT NUMBER: PRORATED FROM RAB02177
 ISSUE DATE: 07/06/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 5 OF 6

5-DEGREE ZONAL LUMEN SUMMARY

0- 5	17
5- 10	52
10- 15	84
15- 20	114
20- 25	140
25- 30	161
30- 35	178
35- 40	188
40- 45	193
45- 50	193
50- 55	186
55- 60	172
60- 65	154
65- 70	132
70- 75	108
75- 80	84
80- 85	62
85- 90	44
90- 95	30
95-100	21
100-105	16
105-110	13
110-115	13
115-120	12
120-125	11
125-130	10
130-135	10
135-140	9
140-145	8
145-150	7
150-155	6
155-160	5
160-165	4
165-170	2
170-175	2
175-180	1

10-DEGREE ZONAL LUMEN SUMMARY

0- 10	69
0- 20	267
0- 30	568
0- 40	934
0- 50	1319
0- 60	1677
0- 70	1964
0- 80	2156
0- 90	2263
0-100	2314
0-110	2343
0-120	2367
0-130	2389
0-140	2407
0-150	2422
0-160	2433
0-170	2439
0-180	2441

REPORT NUMBER: PRORATED FROM RAB02177
ISSUE DATE: 07/06/16

PAGE: 6 OF 6

PREPARED FOR: RAB LIGHTING INC.

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	96	91	102	97	93	89	92	88	85	87	84	81	82	80	77	75
2	96	87	80	74	92	84	78	72	80	74	69	75	71	67	71	67	64	61
3	87	76	67	61	84	74	66	60	70	63	58	66	60	56	62	58	54	51
4	79	67	58	51	77	65	57	50	62	54	49	59	52	47	56	50	46	43
5	73	60	51	44	70	58	50	43	55	48	42	52	46	41	50	44	40	37
6	67	54	45	38	65	52	44	37	50	42	37	47	41	36	45	39	35	33
7	62	49	40	33	60	47	39	33	45	38	32	43	36	32	41	35	31	29
8	58	44	36	30	56	43	35	29	41	34	29	39	33	28	38	32	28	26
9	54	41	32	27	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	23	21

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.