

KUZCO LIGHTING

Luminaire Photometric Report

Filename: 458_16 - FM11418-BK

Manufacturer: Kuzco Lighting

Luminaire: Ceiling Mounted

Luminaire Cat: FM11418-BK

Lamp Cat: RIG03-4000-830-120-S3

Lamp Output: Total luminaire Lumens: 1887

Max Candela: 810.4 at Horizontal: 90°, Vertical: 5°

Input Wattage: 52.6

Luminous Opening: Circular (Dia: 17.01")

Test: 458_16

Test Date: 06 June 2016

Test Lab: Kuzco Lighting

Photometry : Type C

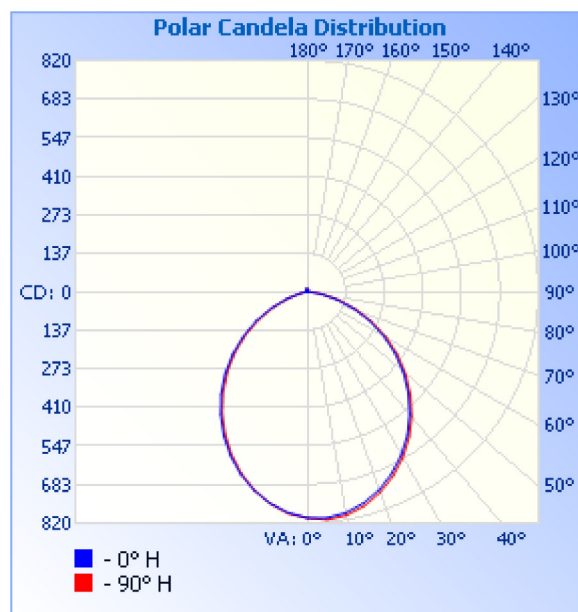
CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

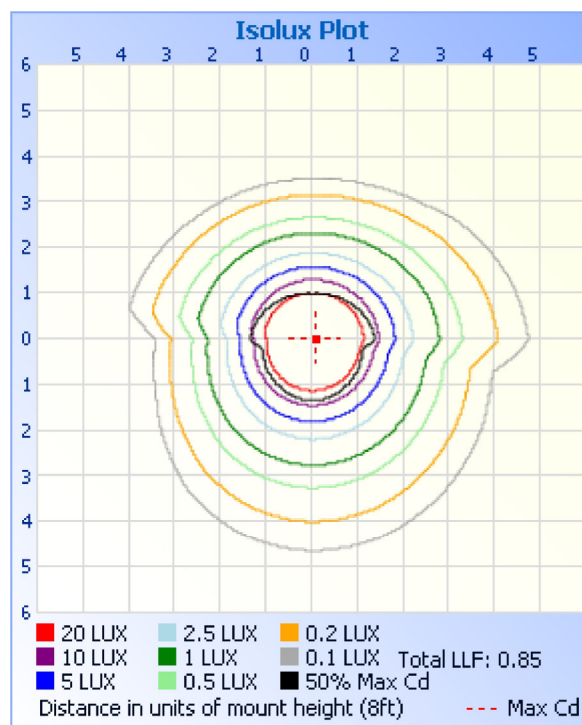
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	596.3	31.6%
0-40	954.9	50.6%
0-60	1,596.9	84.6%
60-90	268.8	14.2%
70-100	82.8	4.4%
90-120	6.7	0.4%
0-90	1,865.7	98.9%
90-180	21.2	1.1%
0-180	1,887.0	100%



Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	75.2	4.0%	90-100	1.7	0.1%
10-20	211.1	11.2%	100-110	2.2	0.1%
20-30	310.1	16.4%	110-120	2.8	0.1%
30-40	358.6	19.0%	120-130	3.1	0.2%
40-50	351.2	18.6%	130-140	3.2	0.2%
50-60	290.8	15.4%	140-150	3.1	0.2%
60-70	187.7	9.9%	150-160	2.6	0.1%
70-80	71.7	3.8%	160-170	1.8	0.1%
80-90	9.4	0.5%	170-180	0.7	0%



Illuminance at a Distance

	Center Beam LUX	Beam Width
1.3ft	5,099 LUX	3.0 ft 3.0 ft
2.7ft	1,182 LUX	6.2 ft 6.3 ft
4.0ft	539 LUX	9.2 ft 9.3 ft
5.3ft	307 LUX	12.2 ft 12.3 ft
6.7ft	192 LUX	15.5 ft 15.5 ft
8.0ft	135 LUX	18.5 ft 18.5 ft

■ Vert. Spread: 98.1°
■ Horiz. Spread: 98.4°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>70</u>	<u>50</u>	<u>30</u>	<u>0</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>30</u>	<u>20</u>	<u>0</u>
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1	1.10	1.06	1.02	.98	1.07	1.03	1.00	.86	.99	.96	.94	.95	.93	.90	.91	.89	.88	.86
2	1.01	.93	.87	.82	.98	.91	.86	.74	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3	.92	.83	.75	.69	.90	.81	.74	.64	.78	.72	.67	.75	.70	.66	.72	.68	.65	.62
4	.85	.74	.66	.59	.83	.72	.65	.56	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54
5	.78	.66	.58	.51	.76	.65	.57	.49	.63	.56	.50	.61	.55	.50	.59	.54	.49	.47
6	.73	.60	.51	.45	.71	.59	.51	.43	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7	.67	.54	.46	.40	.66	.54	.46	.39	.52	.45	.40	.50	.44	.39	.49	.43	.39	.37
8	.63	.50	.42	.36	.61	.49	.41	.35	.48	.41	.36	.46	.40	.35	.45	.39	.35	.33
9	.59	.46	.38	.33	.57	.45	.38	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10	.55	.42	.35	.30	.54	.42	.34	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	3		
0	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	801	8		
5	804	802	799	796	794	791	789	787	786	810	809	808	805	802	797	794	791	788	785	784	783	782	782	783	784	785	787	788	791	793	797	801	8		
10	794	792	789	785	781	777	774	770	768	803	800	796	790	784	777	772	767	763	761	760	759	760	761	763	765	768	771	761	765	771	776	782	7		
15	774	772	769	763	759	754	749	744	741	785	779	774	765	758	747	741	735	731	728	727	727	729	730	735	737	741	744	726	731	737	746	754	7		
20	746	743	740	734	729	722	717	710	706	756	750	743	732	723	710	703	695	692	688	688	688	690	693	698	701	706	710	683	690	698	709	719	7		
25	710	707	703	697	691	683	677	669	665	720	713	704	692	681	666	660	650	647	641	643	642	647	648	656	658	665	669	635	644	652	665	677	6		
30	667	663	662	653	648	638	632	622	618	678	669	661	646	635	617	610	599	595	590	592	591	596	599	606	610	618	622	582	591	601	616	628	6		
35	619	615	612	603	597	587	581	571	566	629	619	609	593	581	562	554	543	539	534	535	535	541	544	552	556	565	569	524	534	545	561	575	5		
40	565	561	558	549	543	532	525	514	509	576	564	555	537	524	504	495	483	479	474	476	476	482	485	494	498	508	513	463	474	485	503	517	5		
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 458_16
[TESTLAB] Kuzco Lighting
[TESTDATE] 06 June 2016
[ISSUEDATE] 2016-06-06 14:43:41
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
[MANUFAC] Kuzco Lighting
[LUMCAT] FM11418-BK
[LUMINAIRE] Ceiling Mounted
[LAMPCAT] RIG03-4000-830-120-S3

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 37
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.